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2025 HEALTHCARE INNOVATION MEDICAL AI PRECISION

HEALTHCARE INNOVATION MEDICAL AI PRECISION

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2025 Catalogue

Table of Contents

SUPPORT AI SYSTEM

About Onyx

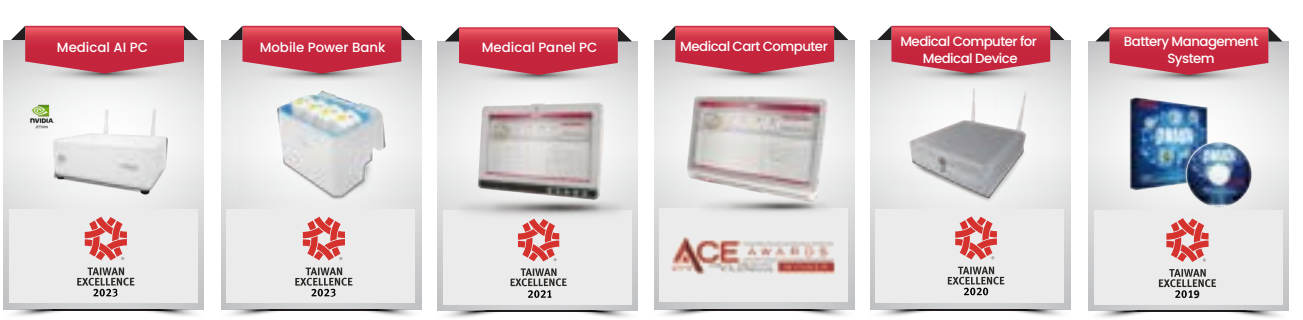
Onyx Healthcare Inc. is headquartered in Taiwan, with satellite offices in the Netherlands and California, and provides services to tier-1 medical instrument companies worldwide and as an NVIDIA Partner Network "NPN" Partner now. Onyx is a professional medical IT company in providing trusted, innovative products, customer-centric design services and medical PC solutions. Onyx cooperates closely with our partners to provide comprehensive medical products such as AI-Ready Medical PC, Smart View Medical Stations, Fanless Slim Panel PC, Medical Display, Healthcare Infotainment, Mobile Tablet PC, Medical PC and Mobile Computing Cart, UPower Bank in the professional Hospital / Clinical IT market. Our products offer the advantages of filmless and paperless interaction in the hospital environment with certifications for ISO 13485, IEC/UL 60601-1, ISO 14971 risk management, and FDA registration. Product longevity is 7-10 years standard, with an optional extended 10-year support program. Onyx won notable awards such as the Taiwan Excellence Award / National Innovation Award / UK Best Medical AI Solutions Developer Award / Best Choice Award.

PRODUCT APPLICATION FOCUS: HOSPITAL IT

- **High-Acuity Task Area**
  The emergency department, Intensive care, labor and delivery units, neonatal ICUs, operating rooms, post-anesthesia care units, and the radiology department.
- **Clinic/Nursing Station Area**
  PACs processing and daily hospital tasks.
- **Outpatient Area**
  Patient monitoring and patient home care.

FEATURE PRODUCTS :

- **Medical IT**
  Advanced Medical Stations, Medical Grade Slim Panel PCs, Medical Grade Fanless Panel PCs.
- **Medical Platform**
  Mobile Nursing Cart, Bedside Infotainment Terminal.
- **Medical IT & Platform Accessory**
  Medical Grade Monitors, Medical Mounting Accessories.



Awards

NATIONAL INNOVATION AWARD

Onyx Healthcare was awarded the "Enterprise Innovation Award" for its innovative technology at the 20th National Innovation Awards. Onyx Healthcare has focused on the design, manufacture, production and sales of medical All-in-One (AIO) computers and medical tablet computers, with 20 years of experience. After the three-stage review, the results were announced to be recognized by the National Innovation Award - Enterprise Innovation Award, demonstrating strong R&D strength.

HEALTHCARE AND PHARMACEUTICAL AWARDS 2023 (UK)

Onyx Healthcare is honored to be the winner of the **Best Medical AI Solutions Developer Award** from the Global Health & Pharma Magazine (GHP) Healthcare and Pharmaceutical Awards 2023. We truly appreciate the recognition of our company and our development in the medical AI field.
With medical AI technology assisting in early detection to enable preventive medicine, Onyx Healthcare will dedicate its research in enhancing AI enabled medical device to support world class medical device companies and healthcare providers globally.

OEM / ODM Service

ONYX -YOUR DESIGN & MANUFACTURING KITCHEN

1st Choice of Medical Device OEM / ODM Partners

DESIGN TO WIN

Excellent design is the superior tool to win business. Based on such belief, Onyx has kept striving to strengthen our abilities in design experience since we started the company. We have trained outstanding R&D engineers to establish the professional team. They are not only experts in product developments, but also very in tune with the trends of technical and technology to assist our clients exploit new products that are truly competitive and break into the international market.

Quality Assurance

Onyx Healthcare Inc. provides a 2 year manufacturer's warranty to the entire Onyx product family and supports our clients locally via worldwide service centers with design and technical support capability. The company has acquired the following certifications and established its corporate quality assurance system with detail operational guide using closed loop feedback system approach. Throughout design, manufacturing, and service stages, Onyx Healthcare Inc. is committed to quality and service excellence with extensive knowledge to meet specific needs of medical IT and platform clients.

FULL EXPERIENCE OF MEDICAL CERTIFICATIONS:

No need to worry about the problem of getting documents. With internal and external test laboratories, our experienced LAB engineers with more 10 years make sure your product certified.
Onyx can help you bring your market to USA, Europe and China quickly.

ISO 9001:2015

Onyx meets specifies requirements of ISO 9001:2015 for a quality management system where an organization from 2011/08/02.
Valid until: 27 February 2025

ISO14001:2015

Onyx meets specifies requirements of ISO 14001:2015 for Environmental requirements, where an organization from February 2016.
Environmental Policy:
Green Manufacturing, Environmental Innovation, Sustainable ,Development Continuous Improvement
Valid until: 19 February 2025

ISO 13485:2016

Onyx meets specifies requirements of ISO 13485:2016 for a quality management system where an organization needs to demonstrate its ability to provide medical devices and related services from 2011/08/02.
Valid until: 27 February 2025

FCC

All of Onyx products comply with FCC Part 18.

CE : EN 60601-1-2 : 2015 (V4.0) / EN60601-1 : 2006 / A1 : 2013 (V3.1)

All of Onyx products comply with 93/42/EEC.

UL : ANSI / AAMI ES60601-1 : 2012 (V3.1)

All of Onyx products have got the UL certificate.

CCC

Some of Onyx products meets the CCC mark is required for both Chinese manufactured and foreign imported products.

CLOROX HEALTHCARE COMPATIBILITY PROGRAM

Onyx products approved clorox healthcare compatible™ for safer medical environments.

QMS

Onyx's QMS certification guarantees consistent quality and reliability in medical IT solutions worldwide.

READY TO USE EMBEDDED COMPUTING PLATFORM:

Belonging to ASUS and Aaeon Group, Onyx provides rich and cutting edge motherboard technology to our clients. Do not worry about falling behind your competition. Your company will be the leader in the field.

- Off-the shelf miniITX motherboard solution
- Latest Computer-on Module (COM) solutions
- Single compact computer solutions (X86 and RISC ARM)
- Free of charge BIOS and driver service

ONYX HEALTHCARE IS THE FIRST COMPANY WITH EMC 4.0 / SAFE 3.1 READY PRODUCTS

All Onyx products in mass production comply with electromagnetic compatibility directive (2014/30/EU) and low voltage directive (LVD) (2014/35/EU) which applicable standards listed below

EN 55032:2015/A1:2020
EN 55035:2017/A11:2020
IEC 62368-1:2020+AMD2:2020

Furthermore, Onyx's products are in conformity with all applicate requirements of the below harmonized and/or additional standards.

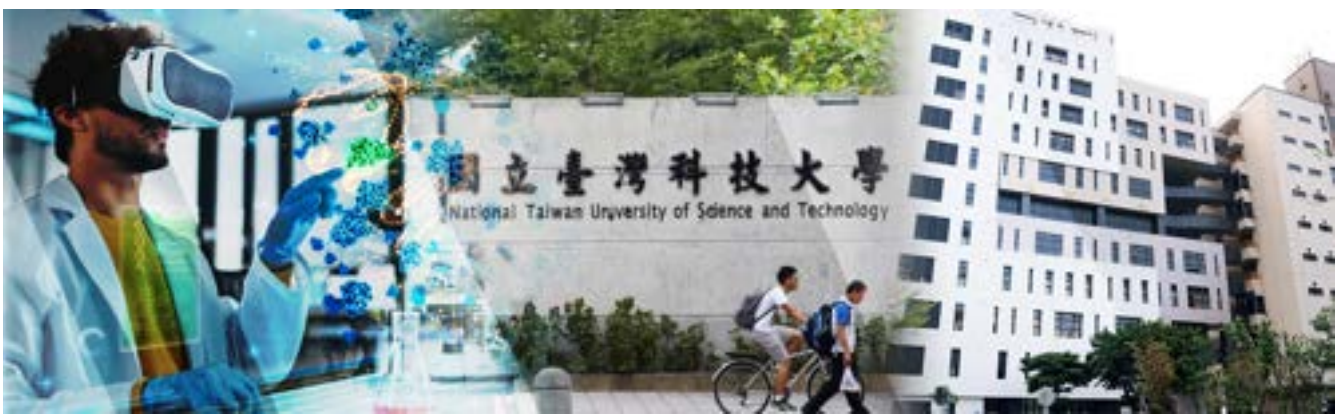
IEC 60601-1:2005/AMD2:2020
IEC 60601-1-2:2014/AMD1:2020
EN 60601-1-2:2015/A1:2021

EMC 4.0 / Safe 3.1 Ready
EU Medical Certification Requirement

Medical AI Research Center

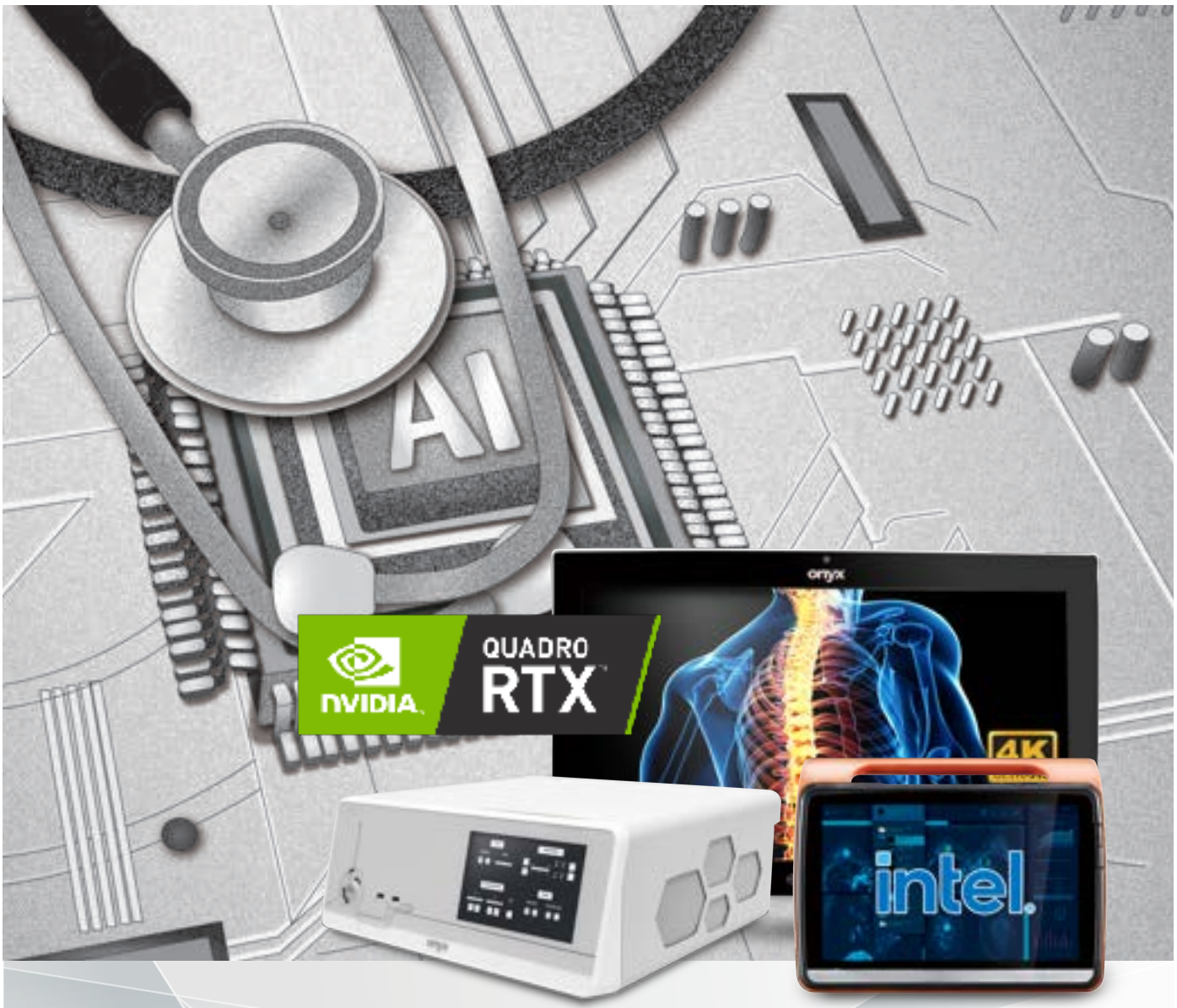
ONYX-NTUST MEDICAL AI JOINT RESEARCH CENTER

Given the rapid development of AI applications in medicine and healthcare in the twenty-first century, NTUST and Onyx Healthcare established the Onyx Healthcare–NTUST Medical AI Joint Research Center in 2017. The center encompasses work in medical engineering, medical imaging, big data analytics, AR and VR medical training, embedded system development, and others. By combining specialized expertise, NTUST and Onyx Healthcare together provide healthcare clients across the world with one-stop services that integrate medical AI modelling and simulation, software/hardware design, and manufacturing operations. Furthermore, the collaboration helps clients develop successful medical AI products and generally contributes to the medical and healthcare industry overall. Edition 3.1 and EMC Edition 4.0 and please refer to the following product list.



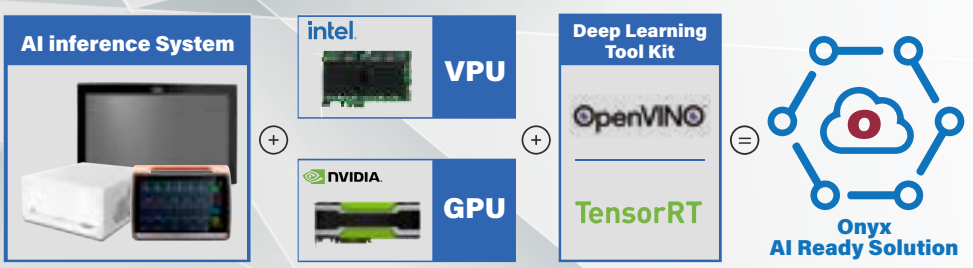
AI HARDWARE SOLUTION

As technology advances at an every quickening pace, it is artificial Intelligence (AI) that is leading the way forward to a future where we are surrounded by automation and universal connectivity. Hardware supporting the current AI industrial revolution must also increase its processing capabilities with every new generation to not only keep pace with, but help drive forward technological innovation. Onyx continues its role as a major technology innovator by creating new products focused on AI Inference at the Edge. Our AI-ready products include devices with support for Nvidia and Intel solutions, medical grade AI boxes, mobile tablets for AI inference, and the first AI all-in-one PC.



Key Features

- Support NVidia/intel Solution
- Medical grade AI Box
- The first Jetson AI All in One PC
- Mobile tablet support AI inference



NVIDIA AIoT SOLUTION

Artificial intelligence (AI) is becoming more popular in different applications, Onyx is partnering with NVIDIA to develop new AI medical products. These products highlight Onyx's close relationship with NVIDIA in our combined commitment to create better, and smarter AI medical devices and applications. With our close collaboration in medical AI product development and shared worldwide marketing programs, Onyx and NVIDIA are advancing innovation for medical AI applications.

NVIDIA HOLOSCAN

NVIDIA Holoscan is a domain-agnostic, multimodal AI sensor processing platform that delivers the accelerated, full-stack infrastructure needed for real-time processing of streaming data at the edge or in the cloud.

Features

Sensor Processing

Build end-to-end sensor-processing pipelines. Prioritizing performance, usability (Python and C++), and production readiness, Holoscan offers seamless I/O integration through bring-your-own (BYO) sensor, AI model inference, and BYO model capabilities.

Low Latency

Use the Holoscan SDK's data transfer latency tool to measure complete, end-to-end latency for sensor-processing applications.

Reference AI Pipelines

Access AI reference pipelines for radar, high-energy light sources, endoscopy, ultrasound, and other sensor-streaming applications.

NVIDIA Holoscan for Medical Devices

It provides domain-specific capabilities for medical device developers for the clinical edge. It allows companies in the medical device industry to explore new AI-powered capabilities, accelerate time to market, and lower development and maintenance costs for medical-grade devices.

NVIDIA RTX

NVIDIA

NVIDIA has partnered with Onyx Healthcare to take on the challenges of the Medical AI Age. The healthcare industry constantly demands new AI algorithms for computing paradigms to meet the growing need for personalized medicine, next-generation clinics, enhanced quality of care, and breakthroughs in biomedical research to treat disease. With NVIDIA and Onyx Healthcare working together, healthcare institutions can harness the power of artificial intelligence and high-performance computing to define the future of medicine. Onyx Healthcare sets the standard for a professional and reliable medical computer partner that we're honored to be working with.

AI INFERENCE WITH NVIDIA ADA GENERATION

NVIDIA GPU provides an immediate path to greater deep learning performance. GPUs had evolved into highly parallel multi-core systems, allowing very efficient manipulation of large blocks of data. This design is more effective than general-purpose central processing unit (CPUs) for algorithms in situations where processing large blocks of data is done in parallel. Processing large blocks of data is basically what deep learning does.

HIGH PERFORMANCE
AI INFERENCE SYSTEM

ACCELERATE AI CALCULATING

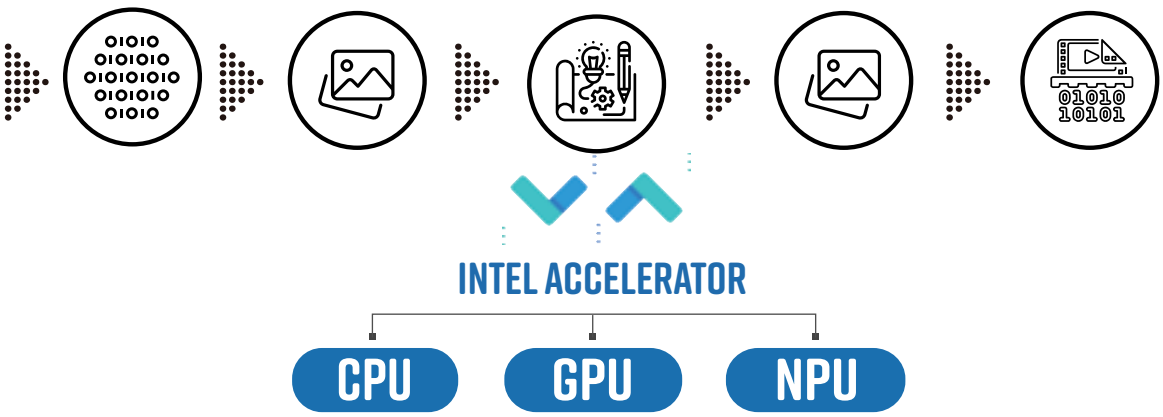
AI EDGE COMPUTING WITH NVIDIA JETSON PLATFORM

ACCEL-JS series with NVIDIA Jetson platform is a compact, high performance medical AI accelerator especially designed to fit AI market segments. Medical AI developers can utilize the ACCEL-JS series to build containerized AI-skills on the Jetson software stack. With sidecar deployment, aftermarket medical devices can be upgraded to perform AI functions with easy deployment. Furthermore, medical instruments can also have Jeston Platform easily built-in with its compact size, reaching new generations with powerful AI performance. Onyx also provide OEM/ODM service. Help partner perfectly integrate medical device to healthcare field.

NVIDIA JETPACK SDK FOR
END-TO-END AI APPLICATIONS
DEPLOYMENT

MULTIPLE I/O SUPPORT
FOR VIDEO TO DO COMPUTING
& ANALYSIS

INTEL DISTRIBUTION OF OpenVINO™ TOOLKIT



INTEL® AI ACCELERATOR: INTEL®ARC™GPU

Introducing the newest entrant in the graphics universe: Intel® Arc™ A-Series graphics. With built-in machine learning, graphics acceleration, and ray tracing hardware, Intel Arc graphics contains the world's most advanced technologies uniting the latest in visual technologies, and rich content creation across mobile and desktop form factors. Intel® Arc™ A370M GPU is up to 2x faster than Intel® Iris® Xe Graphics.

Arc™ A750E PCIe Card

Arc™ A370M/A350M MXM Module

OpenVINO™

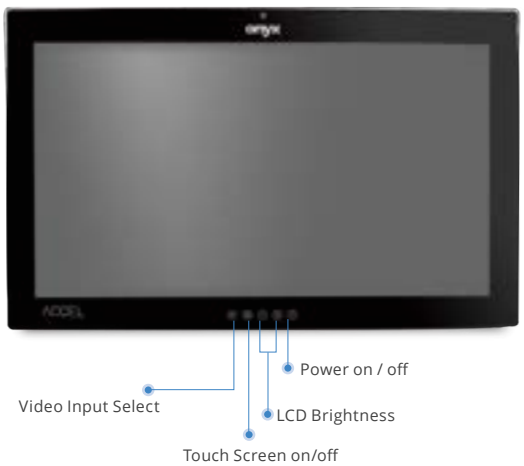
INTEL® DISTRIBUTION OF OPENVINO™TOOLKIT

Maintaining cost-efficiency while achieving exceptional GPU performance is made possible with OpenVINO. The latest OpenVINO 2023.1 release makes generative AI more accessible for real world scenarios with added broader model support, reduced memory usage, and the introduction of additional compression techniques for large language models (LLMs). Powered by the Intel® Distribution of OpenVINO™ toolkit, to meet the various performance, power, and price requirements of any use case.

AI Hardware Solution

ACCEL-A3210

32”4K Medical AI All-in-One PC with 14th Gen Core i9 CPU and MXM Graphics



Features

- Intel® 14th generation Core™ i9 processor (TDP 65W)
- NVIDIA MXM modules RTX A4500/A2000/A1000 supported for edge AI applications
- 32" UHD 500-nits display, multi-Touch
- 5 Programmable Smart Function Keys with Dual Colors LED Status Indication
- LAN/USB(optional)/COM(optional) Medical Isolation
- PCI Express[x4] x 1 for video capture card expansion
- Optional Wi-Fi 6E supported

Specifications

MAIN SPECIFICATIONS

Processor	Intel 14th Gen i9-14900 (TDP 65W)
Chipset	R680E
System Memory	DDR5 4800 MHz SODIMM x 2, support up to 64GB
Expansion	PCI Express[x4] x1, M.2 2280 (M-key) x 1
Storage Disk Drive	2.5” SATA HDD/SSD x 2, M.2 2280 NVMe SSD x 1
Security	Trusted Platform Module 2.0
Wireless Communication	WIFI 6E+Bluetooth 5.3 with M.2 2230 & two dual band antennas
Speaker	5W x 2
Function Key	Power On/Off, LCD Brightness Up/Down, Touch Screen On/Off , Video Input Select
Power Requirement	100~240V AC
OS Support	Windows® 11 IoT, Windows® 10 IoT , Linux

DISPLAY

Size	32” LCD
Resolution	3840 x 2160
Luminance	500 nits
View Angle	178˚(H)/178˚(V)
Contrast Ratio	1000:1
Back Light Life Time	30,000 Hours
Touch Screen	Capacitive Multi-Touch

I/O

USB	USB 3.2 Gen 2 x 4, USB 3.2 Type C x 1 (5V,3A)
Serial Port	RS232 x 2
Ethernet	Isolated LAN x2
Audio	Mic-in (optional), Line-out (optional)
Video Out	Display Port x1
Video In	HDMI x1

MECHANICAL AND ENVIRONMENTAL

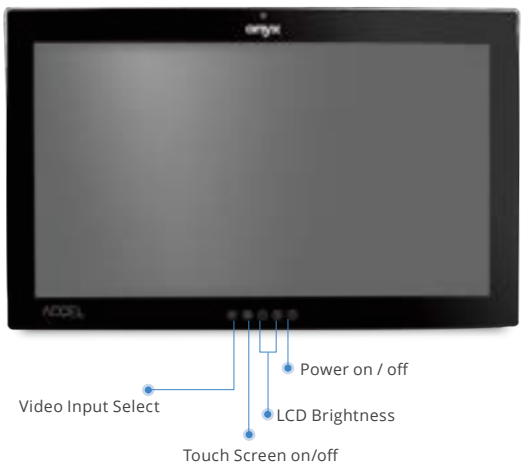
Power Consumption	TBC
Operating Temperature	0°C ~ 35°C(32°F ~ 95°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Mounting	VESA 100mm
Degree of Protection	IP65 in the front, IPX1 in the back
Dimension	778 x 478 x 80mm (approx.)
Package Size	TBC
Gross Weight	TBC
Net Weight	15.5 kg (approx.)
Certifications	CE: EN 60601-1-2:2015(V4.1) FCC: Part 18 Class B UL: ANSI/AAMI ES60601-1:2012 (V3.2) cUL: CAN/CSA-C22.2 No. 60601-1:2014 (V3.2)

※ All product specifications are subject to change without notice

AI Hardware Solution

ACCEL-A2710

27”4K Medical AI All-in-One PC with 14th Gen Core i9 CPU and MXM Graphics



Features

- Intel® 14th generation Core™ i9 processor (TDP 65W)
- NVIDIA MXM modules RTX A4500/A2000/A1000 supported for edge AI applications
- 27" UHD 500-nits display, multi-Touch
- 5 Programmable Smart Function Keys with Dual Colors LED Status Indication
- LAN/USB(optional)/COM(optional) Medical Isolation
- PCI Express[x4] x 1 for video capture card expansion
- Optional Wi-Fi 6E supported

Specifications

MAIN SPECIFICATIONS

Processor	Intel 14th Gen i9-14900 (TDP 65W)
Chipset	R680E
System Memory	DDR5 4800 MHz SODIMM x 2, support up to 64GB
Expansion	PCI Express[x4] x1, M.2 2280 (M-key) x 1
Storage Disk Drive	2.5” SATA HDD/SSD x 2,M.2 2280 NVMe SSD x 1
Security	Trusted Platform Module 2.0
Wireless Communication	WIFI 6E+Bluetooth 5.3 with M.2 2230 & two dual band antennas
Speaker	5W x 2
Function Key	Power On/Off, LCD Brightness Up/Down, Touch Screen On/Off , Video Input Select
Power Requirement	100~240V AC
OS Support	Windows® 11 IoT, Windows® 10 IoT , Linux

DISPLAY

Size	27” LCD
Resolution	3840 x 2160
Luminance	500 nits
View Angle	178˚(H)/178˚(V)
Contrast Ratio	1000:1
Back Light Life Time	50,000 Hours
Touch Screen	Capacitive Multi-Touch

I/O

USB	USB 3.2 Gen 2 x 4, USB 3.2 Type C x 1 (5V,3A)
Serial Port	RS232 x 2
Ethernet	Isolated LAN x2
Audio	Mic-in (optional), Line-out (optional)
Video Out	Display Port x1
Video In	HDMI x1

MECHANICAL AND ENVIRONMENTAL

Power Consumption	TBC
Operating Temperature	0°C ~ 35°C(32°F ~ 95°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Mounting	VESA 100mm
Degree of Protection	IP65 in the front, IPX1 in the back
Dimension	676 x 429 x 80 mm (approx.)
Package Size	TBC
Gross Weight	TBC
Net Weight	11Kg (approx.)
Certifications	CE: EN 60601-1-2:2015(V4.1) FCC: Part 18 Class B UL: ANSI/AAMI ES60601-1:2012 (V3.2) cUL: CAN/CSA-C22.2 No. 60601-1:2014 (V3.2)

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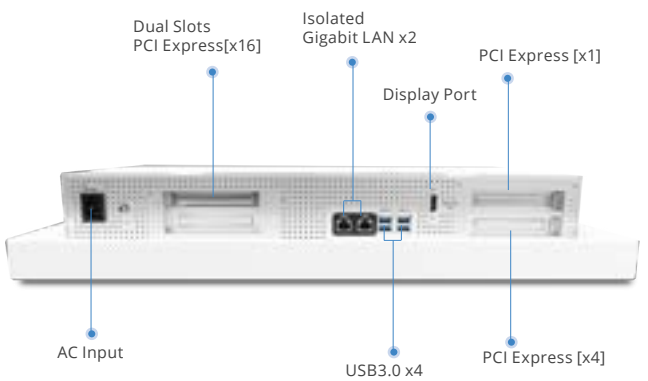
AI Hardware Solution

ACCEL-A2401

24" FHD 9th Generation Xeon / Core i7 Medial All in One PC for AI Inference



Features

- Intel® 9th Generation Xeon E-2276ML 2.0GHz Six Core /Core i7-9850HL 1.9GHz Six Core
- Supports ECC / Non-ECC DDR4 SODIMM up to 64GB
- 24" FHD 1920x1080 400-nit High Contrast LCD
- Capacitive Multi-Touch Screen
- 4 Programmable Smart Function Keys with Dual Colors LED Status Indication
- LAN/USB(optional)/COM(optional) Medical Isolation
- Dual Slots PCI Express[x16] x1 for High End Graphics Card /GPUAccelerator Card up to 250W
- PCI Express[x4] x1, PCI Express[x1]x1
- Trusted Platform Module 2.0
- Remote Management: Intel Active Management Technology
- 100V to 240V AC Input

Specifications

MAIN SPECIFICATIONS

Processor	Intel® 9th Generation Xeon E-2276ML 2.0GHz Six Core / Core i7-9850HL 1.9GHz Six Core
Chipset	CM246 (for Xeon) / QM370(for Core i7)
System Memory	ECC (for Xeon) / Non-ECC (for Core i7) DDR4 SODIMM up to 64GB
Expansion	PCI Express[x16] x1, PCI Express[x4] x1, PCI Express[x1] x1)
Storage Disk Drive	2.5" SATA Hard Disk Drive/Solid State Disk Drive x2
Security	Trusted Platform Module 2.0
Wireless Communication	802.11ac, Bluetooth 5.1
Speaker	5W x 2
Function Key	Power On/Off, LCD,Brightness Up/Down, Touch Screen On/Off
Power Requirement	100~240V AC
OS Support	Windows® 10, Linux®

DISPLAY

Size	24" LCD
Resolution	1920 x 1080
Luminance	400 nits
View Angle	178˚(H)/178˚(V)
Contrast Ratio	1000:1
Back Light Life Time	30,000 Hours
Touch Screen	Capacitive Multi-Touch

I/O

USB	USB 3.0 x4
Serial Port	Isolated RS-232 x2(optional)
Ethernet	Isolated Gigabit LAN x2
Audio	Mic(optional), Line out(optional)
Video Out	Display Port 1.4 x1

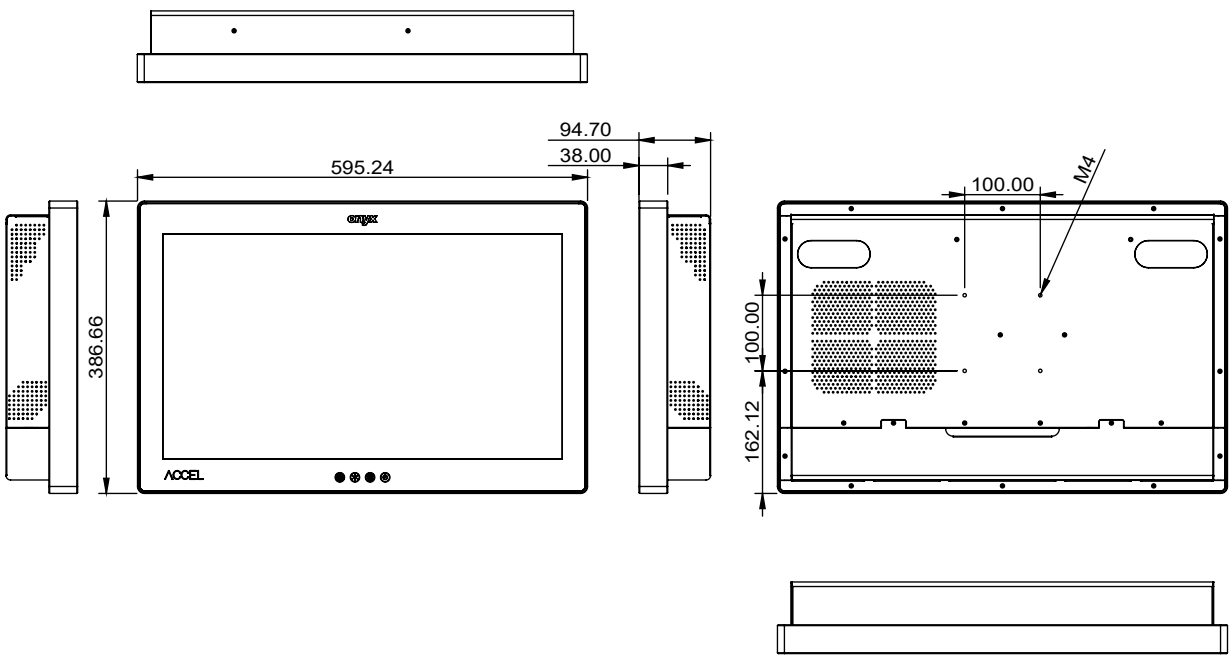
MECHANICAL AND ENVIRONMENTAL

Power Consumption	Full loading : 75 Watts
Operating Temperature	0°C ~ 35°C(32°F ~ 95°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Mounting	VESA 100mm
Degree of Protection	IP54 in the front, IPX1 in the back
Dimension	595 x 387 x 95 mm
Package Size	764 x 240 x 534 mm
Gross Weight	14 kg (30.9 lb)
Net Weight	11 Kg (24.3 lb)
Certifications	CE: EN 60601-1-2: 2015 + A1: 2021 (V4.1), EN 60601-1: 2007 + A1:2013 +A2:2021 (V3.2) EN 55032:2015/A1:2020 EN 55035:2017/A11:2020 (ITE), IEC 62368-1:2020+A11:2020 (ITE) FCC: Part 15B/ Part 18 UL: ANSI AAMI ES60601-1:2005/A1:2012/A2:2021(V3.2) cUL: CAN/CSA-C22.2 No. 60601-1:14 (IEC 60601-1: 2005+A1:2012+A2:2020,MOD) (V3.2)

※ All product specifications are subject to change without notice

24" FHD 9th Generation Xeon / Core i7 Medial All in One PC for AI Inference

Dimension / Unit: mm



Ordering Information

- ACCEL-A2401-P1-A1-0010
  OR Station.Xeon E3-2276ML.24" FHD.Capacitive Touch
- ACCEL-A2401-P2-A1-0010
  OR Station.i7-9850HL.24" FHD.Capacitive Touch

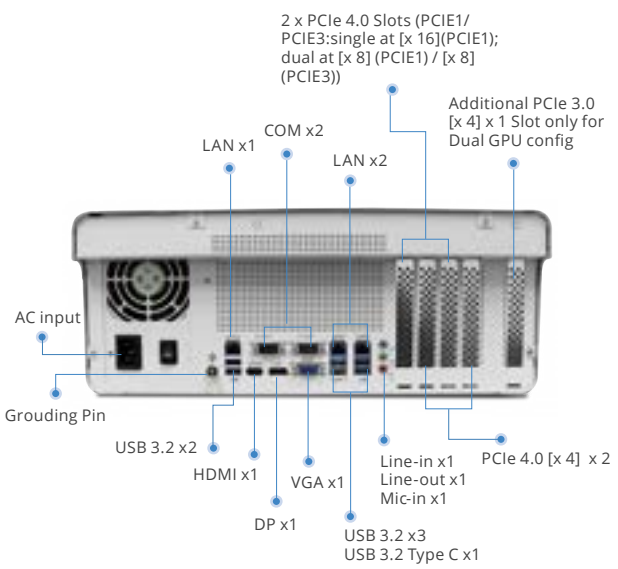
Optional Accessories

- OPM-C15W-A6
  WLAN Kit, 802.11ac + BT 5.1
- OPM-C02C-A3
  One Isolated USB 2.0 + Two Isolated RS-232 PCIe Card
- OPM-C02C-A4
  Two Isolated RS-232 PCIe Card
- OPM-H08S-A1
  Desktop Stand, White Color, VESA 75/100, 390mm Height Max.

AI Hardware Solution

ACCEL-VM1000

Dual GPU card Medical AI Edge PC with Intel 13/12th Gen Core i9 CPU



Features

- Intel® 13/12 Gen Core i9 Processor
- Support 4 x DDR4 3200 288 pin Long-DIMM up to 128GB
- Optional 7" Front Screen with P-Cap Touch
- Support front dual USB 3.0
- Support GPIO and Remote Power Switch design for embedded use
- Support Dual Nvidia RTX 6000 Ada cards and additional capture card installation
- Support 4 x PCIe Gen4 Slots for high end graphic card and capture card integration
- Support Medical Grade 1500W PSU for Dual GPU Card and 700W PSU for Single GPU card

Application

- Medical AI Application

Specifications

MAIN SPECIFICATIONS

Processor	Intel® 13/12th generation Core I Processor
System Memory	DDR4 3200 DIMM x 4 up to 128GB
Chipset	Intel® W680
Storage Disk Drive	2.5" SATA SSD x 2, M.2 2280 NVMe SSD x 1
TPM	2.0
Front Scree(Optional)	7" LED Panel with P-Cap Touch
Speaker (Optional)	5W x 2
OS Support	Windows® 10 and 11, Linux (optional)

I/O

USB	USB 3.2 Gen 2 Type A x 5, USB Gen 2 20G Type C x 1
Ethernet	2.5G Gigabit LAN x 3
Video Out	HDMI 2.0 x 1, DP 1.4 x 1, VGA x 1
Audio	Line-in x 1, Mic-in x 1, Line-out x 1
Series Ports	RS232 x 2
Function I/O	Remote power switch x 1 (Optional) Grounding pin x 1
Power	AC input
Front I/O	USB 3.0 x 2, Power Button x 1
Expansion I/O	2 x PCIe Gen4 Slots (PCIE1/PCIE3:single at x16(PCIE1); dual at x8 (PCIE1) / x8 (PCIE3)) with x16 connector PCIe [x 4] x 2 M.2 2230 E Key x 1 M.2 2280 M Key [PCIe x 4] x 1

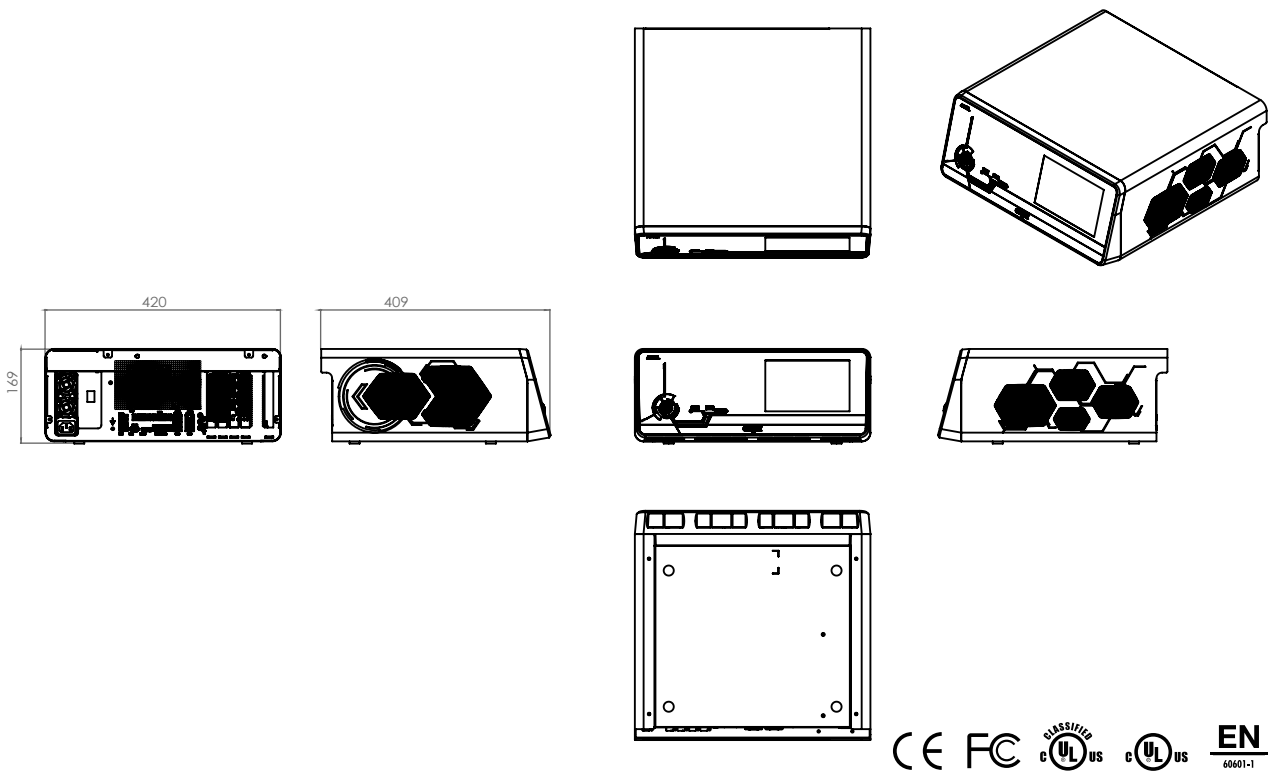
MECHANICAL AND ENVIRONMENTAL

Power	100V to 240V AC Input , 700W or 1500W
Operating Temperature	0°C ~ 35°C(32°F ~ 95°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Dimension	420 x 169 x 409 mm
Package Size	630 x 310 x 565 mm
Gross Weight	12kg
Net Weight	11kg
Certifications	CE: EN 60601-1-2: 2015 + A1: 2021 (V4.1), EN 60601-1: 2007 + A1:2013 +A2:2021 (V3.2) EN 55032:2015/A1:2020 EN 55035:2017/A11:2020 (ITE) IEC 62368-1:2020+A11:2020 (ITE) FCC: Part 15B/ Part 18 UL: ANSI AAMI ES60601-1:2005/A1:2012/ A2:2021(V3.2) cUL: CAN/CSA-C22.2 No. 60601-1:14 (IEC 60601-1: 2005+A1:2012+A2:2020,MOD) (V3.2)

※ All product specifications are subject to change without notice

Dual GPU card Medical AI Edge PC with Intel 13/12th Gen Core i9 CPU

Dimension / Unit: mm



Ordering Information

- ACCEL-VM1000-N4-A1-1010
  Medical AI Edge.i9-13900E.FAN.4 PCIe Slot.Medical 700W.White
- ACCEL-VM1000-N4-A2-1010
  Medical AI Edge.i9-13900E.7" LED Panel, 400nits.FAN.4 PCIe Slot. Medical 700W.White
- ACCEL-VM1000-N5-A1-1010
  Medical AI Edge.i7-13700E.FAN.4 PCIe Slot.Medical 700W.White
- ACCEL-VM1000-N5-A2-1010
  Medical AI Edge.i7-13700E.7" LED Panel, 400nits.FAN.4 PCIe Slot. Medical 700W.White
- ACCEL-VM1000-N1-A1-1010
  Medical PC.i9-12900E.700W PSU, White
- ACCEL-VM1000-N1-A2-1010
  Medical PC.i9-12900E.7" Panel.700W PSU.P-Cap, White
- ACCEL-VM1000-N1-A3-1010
  Medical PC.i9-12900E.1500W PSU, White
- ACCEL-VM1000-N1-A4-1010
  Medical PC.i9-12900E.7" Panel.1500W PSU.P-Cap , White

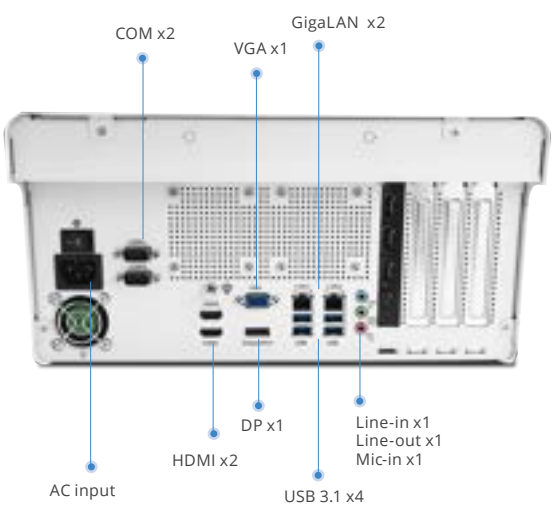
Optional Accessories

- GPU-6000ADA-01
  Graphics Card.GPU memory:48GB GDDR6. System interface:PCIe 4.0.4x DisplayPort 1.4a. NVIDIA.RTX 6000 Ada Generation
- GPU-5000ADA-01
  Graphics Card.GPU memory:32GB GDDR6. System interface:PCIe 4.0.4x DisplayPort 1.4a. NVIDIA.RTX 5000 Ada Generation
- OPM-C20W-A7
  WLAN Kit.802.11ax(Wi-Fi 6E).w/BT 5.3.dual ext. antenna. Intel.AX210.NGWGIE.vPro.for ACCEL-VM1000
- A10-SPK-A1
  5W Internal Speaker kit.for ACCEL-VM1000

AI Hardware Solution

ACCEL-VM500

Medical AI Computing Platform with 9th Generation Intel Xeon / Core i7 CPU



Features

- Intel® 9th generation Core I/Xeon Processor with C246A chipset
- Supports ECC DDR4 DIMM up to 64GB memory
- Excellent Thermal design with low fan noise OR room environment
- Support TPM 2.0 for security management
- Support Three 4K Displays: HDMI x 2, DP x 1
- System is medical Certified with graphic card and capture card
- Supprt the integration of Nvidia RTX 4000, 5000 Ada GPU Card
- Support CD DVD(optional)
- Support Built in speaker (optional)

Application

- Equipment control
- Video recording in OR room
- Medical AI Application

Specifications

MAIN SPECIFICATIONS

Processor	Intel® 9th generation Core I/Xeon Processor
System Memory	Supports ECC/Non-ECC DDR4 2133 DIMM x 4 up to 64GB
Chipset	Intel® C246A
OS Support	Windows® 10 , Windows® 11 , Linux (optional)
Storage Disk Drive	2.5" SATA SSD x 2, M.2 2280 M Key SSD x 1 (NVMe or SATA SSD)
TPM	2.0
Speaker (Optional)	Built in Speaker
CD DVD(Optional)	SATA DVD+/-RW White Color

I/O

USB	Rear USB 3.1 Gen 1 x 4
	Front USB 2.0 or USB 3.0(Optonal)
	Rear USB 3.1 Gen 2 x 6(Optional)
Ethernet	Gigabit LAN x 2
Audio	Line-in x 1, Mic-in x 1 and Line-out x 1
Serial Ports	RS-232 x 2
Extension area	M.2 E Key 2230 x 1 for Wireless module PCIe 3.0[x16] x1, PCIe 3.0 [x4] x2, PCIe 3.0 [x1] x 1
Capture card (optional)	4Kp60: HDMI 2.0 in FHD: HDMI x1, DVI-I x 1, YPbPr x1, SDI x1, CVBS x 1, S-Video x 1

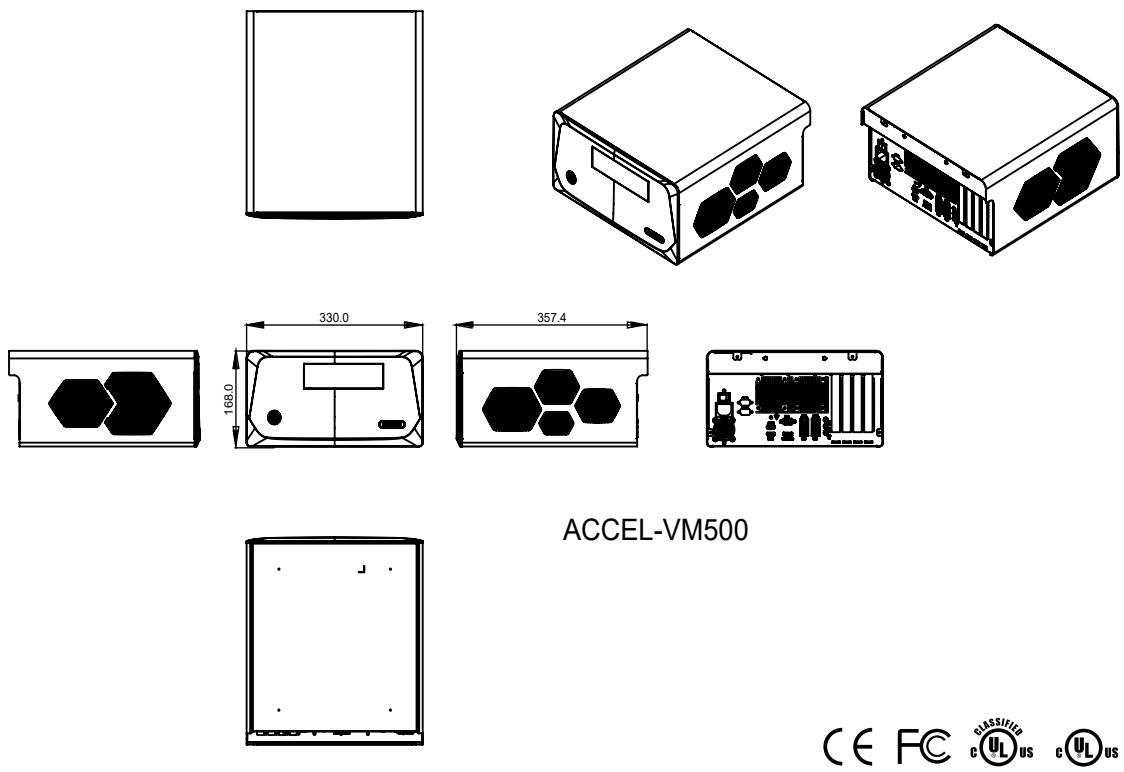
MECHANICAL AND ENVIRONMENTAL

Power Consumption	100V to 240V AC Input, 500W
Operating Temperature	0°C ~ 35°C(32°F ~ 95°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Dimension	330 x 168 x 357.4 mm
Package Size	566 x 290 x 480 mm
Gross Weight	10 kg
Net Weight	8 kg
Certifications	CE: EN 60601-1-2: 2015 + A1: 2021 (V4.1), EN 60601-1: 2007 + A1:2013 +A2:2021 (V3.2) EN 55032:2015/A1:2020 EN 55035:2017/A11:2020 (ITE) IEC 62368-1:2020+A11:2020 (ITE) FCC: Part 15B/ Part 18 UL: ANSI AAMI ES60601-1:2005/A1:2012/ A2:2021(V3.2) cUL: CAN/CSA-C22.2 No. 60601-1:14 (IEC 60601-1: 2005+A1:2012+A2:2020,MOD) (V3.2)

※ All product specifications are subject to change without notice

Medical Video Management System with 9th Generation Intel Xeon / Core i7 CPU

Dimension / Unit: mm



ACCEL-VM500

Ordering Information

- ACCEL-VM500-N1-A1-0010
  Medical Box PC.I7-9700E.FAN.4PCIe slot.AC 100~240V.White
- ACCEL-VM500-N2-A1-0010
  Medical Box PC.E-2278GE.FAN.4PCIe slot.AC 100~240V.White
- ACCEL-VM500R-N1-A1-0010
  4K UHD Medical Recorder.i7-9700E.Fan.16GB RAM.1TB HDD.Win 10 IoT.4Kp60+FHD.
  ACCE-RM Pre-installed

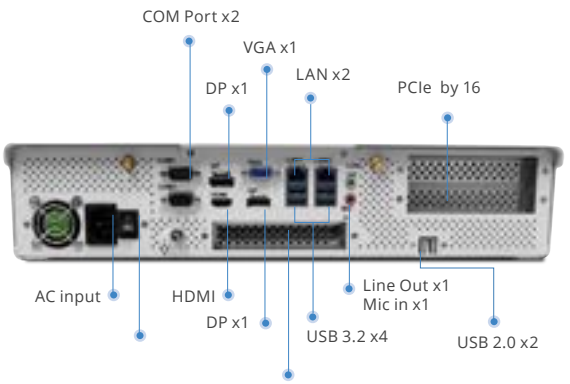
Optional Accessories

- OPM-C20W-A5
  WLAN Kit.802.11ax(Wi-Fi 6E).w/BT 5.3.dual ext.
  antenna.Intel.AX210.NGWGIE.vPro.for ACCEL-VM500
- 9686666685
  4k HDMI capture card.2 Port.HDMI2.0
- 9686015601
  Full HD PCIe Video.Capture Card. 1×HDMI, 1×DVI-I, 1×YPbPr,
  1×SDI, 1×CVBS, 1×S-Video
- A50-SEC-A1
  Second 2.5" HDD/SSD kit .for ACCEL-VM500
- A50-SPK-A2
  5W Internal Speaker kit.for ACCEL-VM500
- GPU-4000ADA-01
  Graphics Card.GPU memory:20GB GDDR6.
  System interface:PCIe 4.0.4x DisplayPort 1.4a.
  NVIDIA.RTX 4000 Ada Generation
- GPU-5000ADA-01
  Graphics Card.GPU memory:32GB GDDR6.
  System interface:PCIe 4.0.4x DisplayPort 1.4a.
  NVIDIA.RTX 5000 Ada Generation

AI Hardware Solution

ACCEL-VM300

Slim Size Medical AI Computing Platform with Intel® 13th generation Core I Processor



Features

- Design for 2U Rack mount Chassis
- Intel 13 Gen Core i9 Processor
- Support 2.5" SATA SSD x 2 and M.2 M Key NVMe x 2
- Internal Medical 500W PSU
- Support 1 x PCIe by 16 slot for Graphic card integration, up to RTX 5000 Ada
- Support 1 x PCIe by 4 for capture card integration (Optional)
- Support DC 12V output for external monitor (Optional)
- Support vertical stand (Optional)

Application

- Equipment control
- Medical AI Application

Specifications

MAIN SPECIFICATIONS

Processor	Intel® 13th generation Core I Processor
System Memory	Support DDR4 3200 SO-DIMM x 2 up to 64GB
Chipset	Intel® Q670
OS Support	Windows® 10 and 11, Linux (optional)
Storage Disk Driver	2.5" SATA SSD x 2
	M.2 M Key NVMe x 2
TPM	2.0

I/O

USB	USB 3.2 Gen 2 x 4 , USB 2.0 x 2
Ethernet	2.5 GigaLAN x 2
Video out	HDMI x 1, DP x 2 , VGA x 1
Audio	Mic-in x 1 , Line-out x 1
Serial Ports	RS-232 x 2
Function I/O	Grouding Pin x 1
Power	AC input
Front I/O	USB 3.0 x 2
	Power Button x 1
Extension Area	M.2 E Key 2230 x 1 for Wireless module★
	PCIe [x4] x1 (Optional)★★
	PCIe [x16] x1

MECHANICAL AND ENVIRONMENTAL

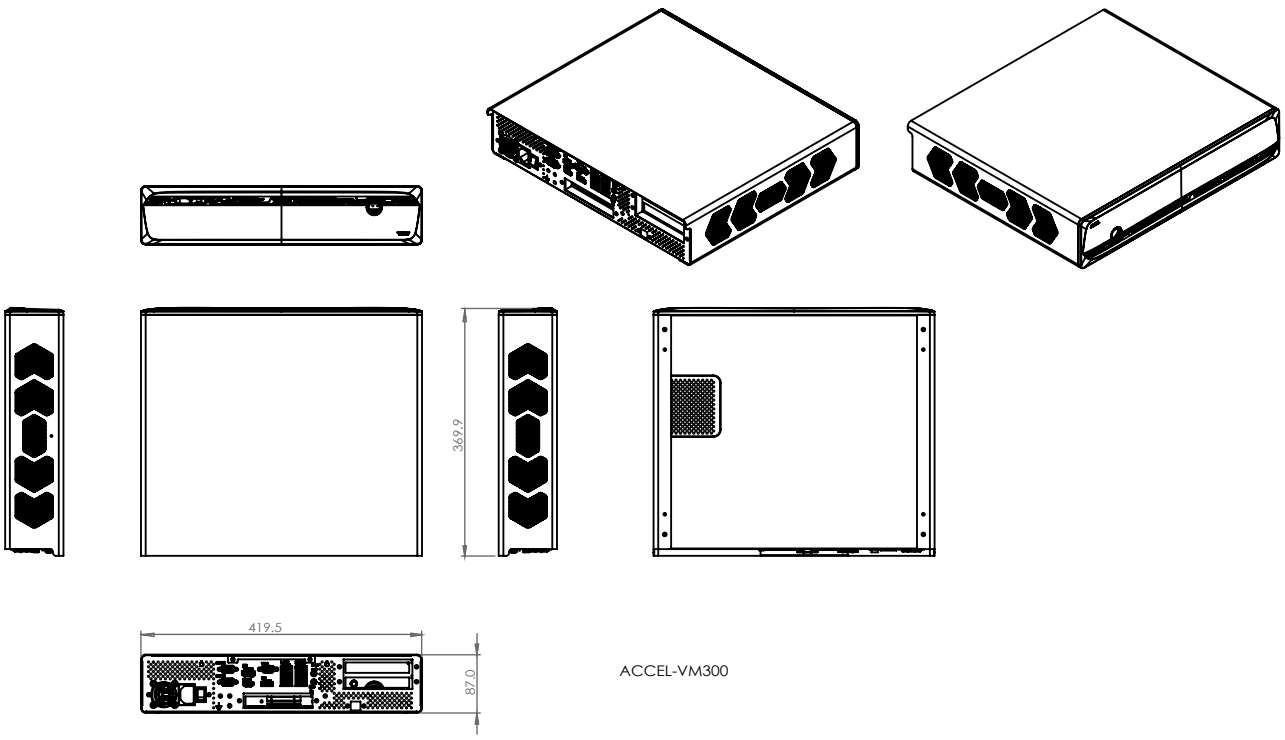
Power Consumption	100V to 240V AC Input
Operating temperature	0°C ~ 35°C(32°F ~ 95°F)
Storage temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Dimension	420 x 87 x 370 mm
Package Size	500 x 228 x 632 mm
Gross Weight	11 kg
Net Weight	8kg
Certifications	CE: EN 60601-1-2: 2015 + A1: 2021 (V4.1), EN 60601-1: 2007 + A1:2013 +A2:2021 (V3.2) EN 55032:2015/A1:2020 EN 55035:2017/A11:2020 (ITE) IEC 62368-1:2020+A11:2020 (ITE) FCC: Part 15B/ Part 18 UL: ANSI AAMI ES60601-1:2005/A1:2012/ A2:2021(V3.2) cUL: CAN/CSA-C22.2 No. 60601-1:14 (IEC 60601-1: 2005+A1:2012+A2:2020,MOD) (V3.2)

Remark:
★-Please choose 2.5" SSD for storage if need to install WIFI module and OPM-V300-A1 at same time.
★★- OPM-V300-A1 is necessary part to order if need to integrate capture card.

※ All product specifications are subject to change without notice

Slim Size Medical AI Computing Platform with Intel® 13th generation Core I Processor

Dimension / Unit: mm



ACCEL-VM300

Ordering Information

- ACCEL-VM300-N4-A1-0010
  Med PC.I9-13900TE.FAN.1xPCIe by 16.Medical 500W.White
- ACCEL-VM300-N5-A1-0010
  Med PC.i7-13700TE.FAN.1xPCIe by 16.Medical 500W.White.

Optional Accessories

- OPM-V300-A1
  M.2 PCIe Riser Card.for ACCEL-VM300.
- OPM-V300-A2
  DC 12V output kit.for ACCEL-VM300.
- OPM-T041-A2
  Rack Mount kit for ACCEL-VM300
- OPM-C20W-A8
  WLAN Kit.802.11ax(Wi-Fi 6E).w/BT 5.3.dual ext. antenna.Intel.AX210. NGWGIE.vPro.for ACCEL-VM300.
- OPM-C03C-A2★
  One Isolated RS-232.One Isolated LAN.One Isolated USB.PCI Express[x1].for ACCEL-VM300

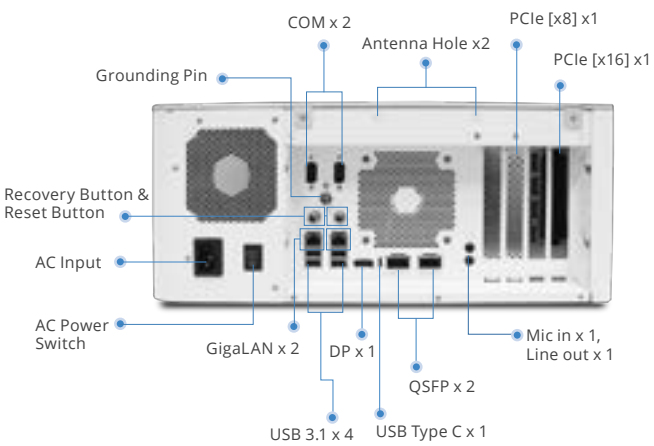
★ Remark:
OPM-V300-A1 is necessary part to order if need to install OPM-C03C-A2.

- GPU-5000ADA-01
  Graphics Card.GPU memory:32GB GDDR6.
  System interface:PCIe 4.0.4x DisplayPort 1.4a.
  NVIDIA.RTX 5000 Ada Generation
- GPU-4000ADA-01
  Graphics Card.GPU memory:20GB GDDR6.
  System interface:PCIe 4.0.4x DisplayPort 1.4a.
  NVIDIA.RTX 4000 Ada Generation.

AI Hardware Solution

ACCEL-JS2000

NVIDIA IGX platform for Medical AI imaging application



Features

- NVIDIA IGX Orin Industrial Module with 250 TOPS AI Performance
- Support RTX 6000 Ada GPU card with up to 1700 TOPS AI Performance
- ConnectX-7 High Speed Edge Networking 2 x 100Gbe
- Dedicated MCU to reassure the functional safety
- Built-in BMC controller to provide a standard-based interface to system management and recovery
- System Power design with 700W Medical PSU
- Excellent thermal management to maximize the performance and lower the noise
- 4K SDI capture card integration
- support optional 7" front screen
- Long Life cycle Support
- Medical Certification

Specifications

MAIN SPECIFICATIONS

AI Engine	NVIDIA IGX Orin Soc Industrial Module
CPU	12-core Arm® Cortex®-A78AE v8.2
System Memory	64GB 256-bit LPDDR5 204.8 GB/s
Graphics	2,048-core NVIDIA Ampere architecture with 64 Tensor Cores
Storage	M.2 NVMe SSD x 1 / 2.5" SATA SSD x2 /64GB eMMC 5.1
OS Support	Linux 20.04 with Jetpack 5.0
Front Screen (Optional)	7" LED Panel with P-Cap Touch , 400nits, 1280 x 800
Safety	Infineon Aurix TC397
NVIDIA BMC	Aspeed AST2600 Microchip ERoT

I/O

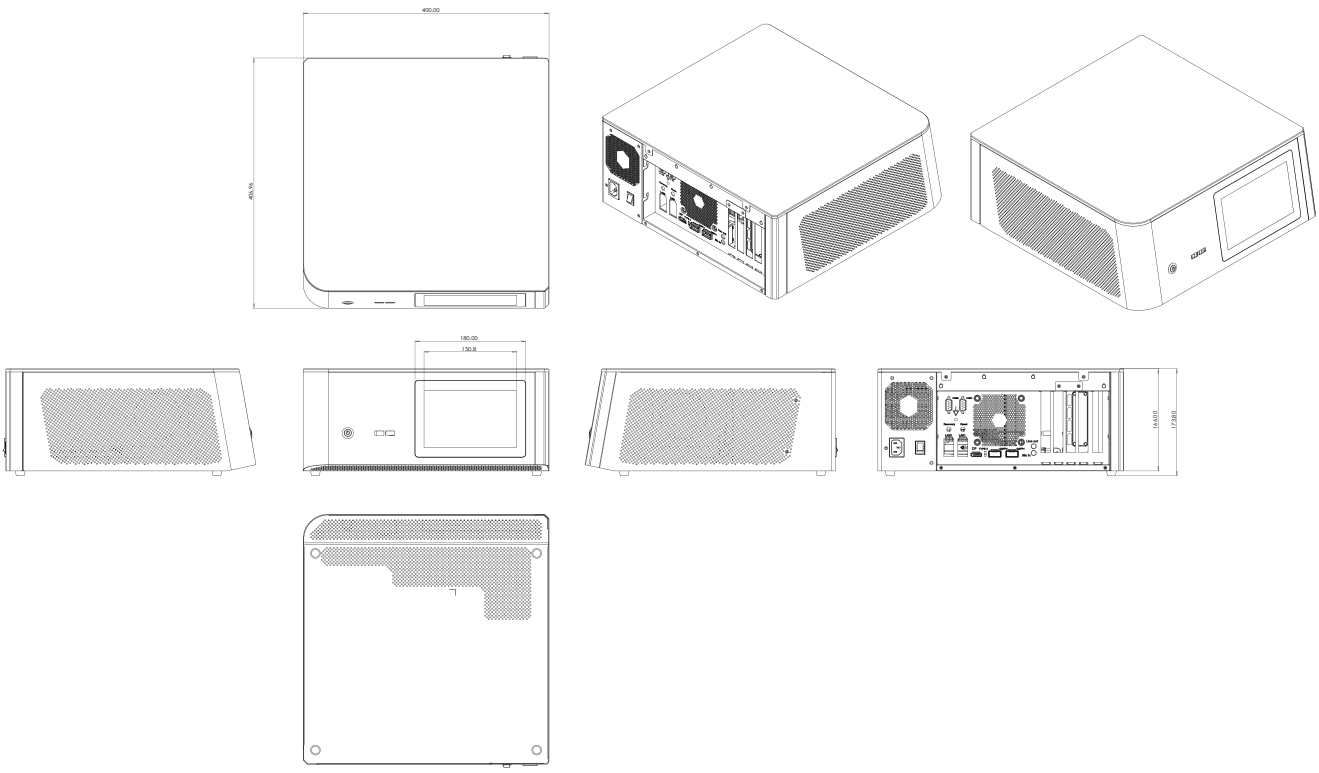
USB	4 x USB 3.2 Gen 2 Type A 1 x USB 3.2 Gen 2 Type C
Ethernet	2 x 100GbE QSFP28 ports 2 x 1GbE RJ45
Video Out	1 x Display Port 1.4a
Video input (optional)	1 x 12G SDI +1 x HDMI 2.0 HDMI 2.0(Max resolution up to 4096×2160@60fps) 12G SDI(Max resolution up to 4096×2160@60fps)
Audio	3 x 3.5mm AU Jacks(MIC, Line-in and Speaker out)
Serial Port	2 x COM Port
Function Port	Grounding pin x 1
Front I/O	1 x Power Button with Power LED indicator 2 x USB 2.0 Type A "
Wireless Communication	1 x M.2 Key E Key for Wireless Module 1 x M.2 Key B for 5G/LTE module "
Expansion I/O	1 x PCIe Gen5 Double Width Slot (x16) for A6000 1 x PCIe Gen5 Single Width Slot (x8)

MECHANICAL AND ENVIRONMENTAL

Power	100V to 240V AC Input, 700W Medical Power Supply
Operating temperature	0°C ~ 35°C(32°F ~ 95°F)
Storage temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Dimension	400 x 166 x 407 mm
Package Size	560 x 305 x 628 mm
Gross Weight	14 kg
Net Weight	12 kg
Certifications	CE: EN 60601-1-2:2015(V4.0), EN 60601-1:2006/A1:2013/A12:2014 (V3.1) FCC: Part 18 Class B UL: ANSI/AAMI ES60601-1:2012 (V3.1) cUL: CAN/CSA-C22.2 No. 60601-1:2014 (V3.1)

※ All product specifications are subject to change without notice

Dimension / Unit: mm



Ordering Information

- ACCEL-JS2000-N1-A1-0010
  Medical AI Edge..IGX Orin.7” P-CAP.FAN.700W PSU.64GB RAM.64GB eMMC.M.2 1TB NVMe.IGX-OS.RTX A6000.

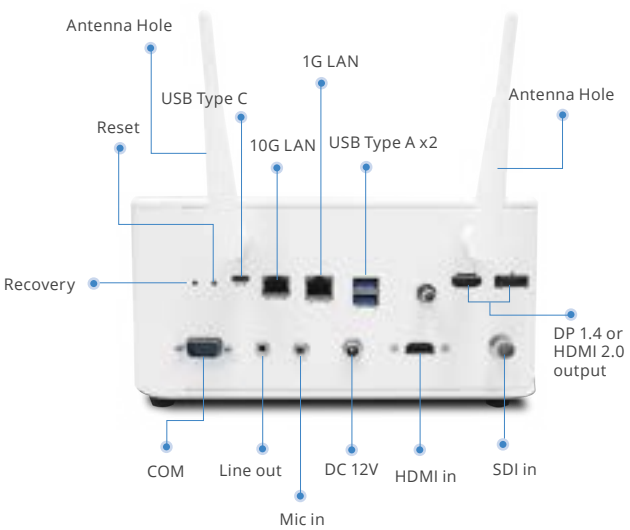
Optional Accessories

- TBD

AI Hardware Solution

ACCEL-JS1100

NVIDIA Jetson AGX Orin platform with 5" front touch screen for Medical AI imaging application



Features

- NVIDIA Jetson AGX Orin platform with 64GB LPDDR5 or 32GB LPDDR5
- Powerful AI computing performance with up to 275 TOPS
- Support Front Screen
- Support DP 1.4 or HDMI 2.0 video output
- Compact size suitable for space limited area
- Support HDMI 2.0 and 12G SDI video input
- Medical certified with CE/FCC/UL
- Support optional PCIe [x8] x1 for possible customization
- Support built in speaker x 2

Specifications

MAIN SPECIFICATIONS

AI Engine	NVIDAI Jetson AGX Orin
CPU	8-core Arm® Cortex®-A78AE v8.2 64-bit CPU 2MB L2 +4MB L3
	12-core Arm® Cortex®-A78AE v8.2 64-bit CPU 3MB L2 +6MB L3
System Memory	32GB or 64GB 256-bit LPDDR5 204.8 GB/s
Graphics	1792-core NVIDIA Ampere GPU with 56 Tensor Cores
	2048-core NVIDIA Ampere GPU with 64 Tensor Cores
Storage	oboard 64GB eMMC 5.1, M.2 NVMe SSD (Optional)
OS Support	Ubuntu with Jetpack
Security	TPM 2.0
Speaker	2W x Speaer x 2
Front Screen	5" LED Panel with P-Cap Touch
	Resolution :800 x 480
	Brightness :800 nits

I/O

USB	USB 3.2 Type A x 2, USB 3.2 Type C x 1
Ethernet	GigaLAN x 1, 10G LAN x 1
Video Out	HDMI 2.0 x 1 and Display Port 1.4 (without front screen)
	HDMI 2.0 x 1 or Display Port 1.4 (with front screen)
Video input	3G SDI or HDMI (FHD),12G SDI or HDM 2.0 3G SDI(Max resolution up to 1920×1080p@60fps) 12G SDI(Max resolution up to 4096×2160@60fps) HDMI (FHD)(Max resolution up to 1920×1080p@60fps)
Audio	Mic-in x 1 , Line out x 1
Serial Port	RS232 x 1
Function Port	Reset Button x 1 ,Recovery Button x 1, Grounding pin x 1
DC in	12V DC Jack
Front I/O	Power Button with Power LED indicator x 1
Wireless Communication	802.11a/b/g/n/ac/ax.w/BT5.2 (Optional)
Expansion I/O	PCIe [x8] x 1(Optional)

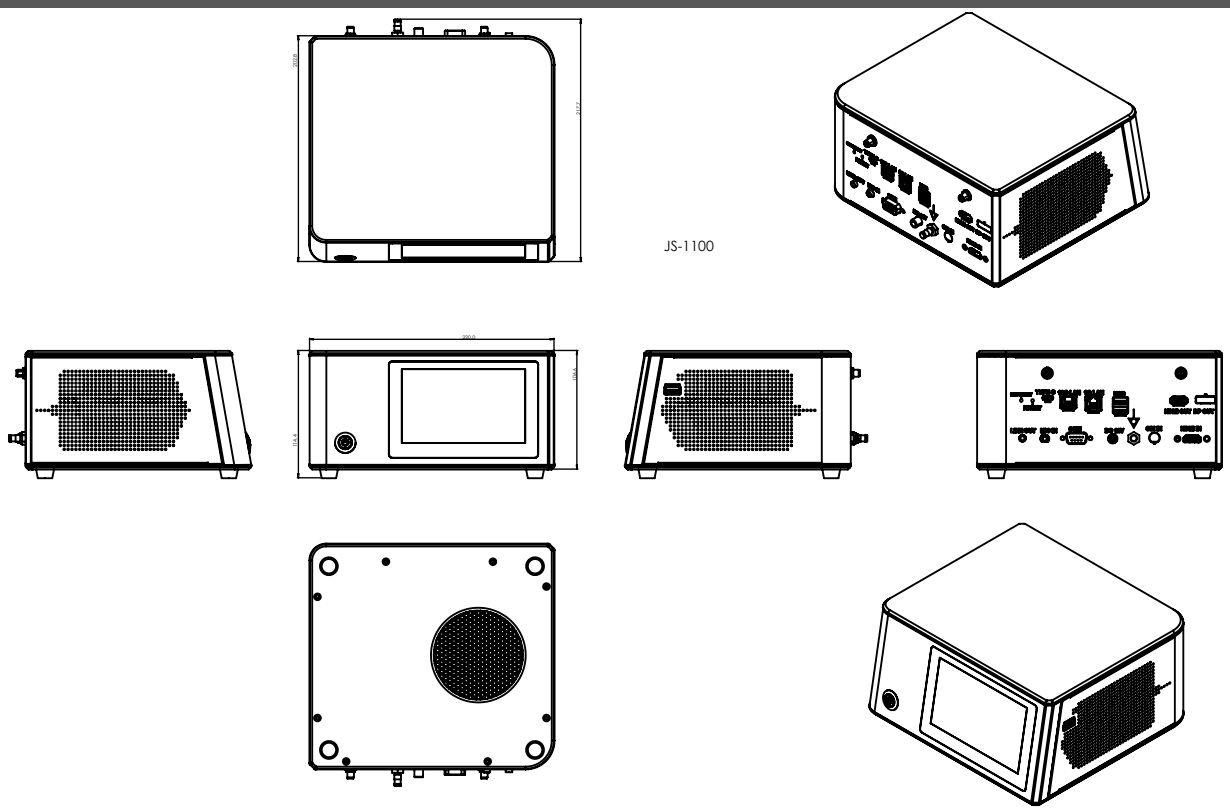
MECHANICAL AND ENVIRONMENTAL

Power	Medical adapter 12V 120W
Operating temperature	0°C ~ 35°C(32°F ~ 95°F)
Storage temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Dimension	220mm x 217.7mm x 111.1mm
Package Size	TBC
Gross Weight	TBC
Net Weight	TBC
Certifications	CE: EN 60601-1-2:2015(V4.0), EN 60601-1:2006/A1:2013/A12:2014 (V3.1) FCC: Part 18 Class B UL: ANSI/AAMI ES60601-1:2012 (V3.1) cUL: CAN/CSA-C22.2 No. 60601-1:2014 (V3.1)

※ All product specifications are subject to change without notice

NVIDIA Jetson AGX Orin platform with 5" front touch screen for Medical AI imaging application

Dimension / Unit: mm



Ordering Information

- TBD

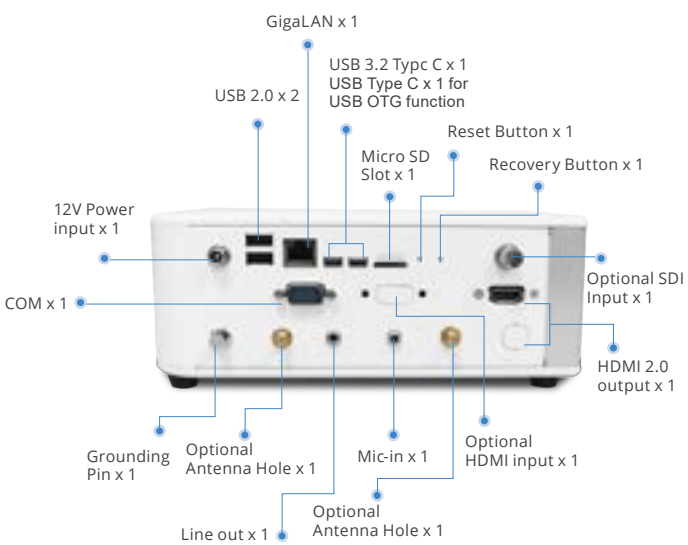
Optional Accessories

- TBD

AI Hardware Solution

ACCEL-JS1000

NVIDIA Jetson AGX Orin platform for Medical AI imaging application



Features

- NVIDIA Jetson AGX Orin platform with 64GB LPDDR5 or 32GB LPDDR5
- Powerful AI computing performance with up to 275 TOPS
- Support HDMI 2.0 video output
- Compact size suitable for space limited area
- Support 3G SDI or 12G SDI or HDMI video input
- Medical certified with CE/FCC/UL
- Support optional PCIe [x8] x1 for possible customization
- Support built in speaker x 2
- Support TPM Function

Specifications

MAIN SPECIFICATIONS

AI Engine	NVIDIA Jetson AGX Orin
CPU	8-core Arm® Cortex®-A78AE v8.2 64-bit CPU 2MB L2 + 4MB L3 (ACCEL-JS1000-N1) 12-core Arm® Cortex®-A78AE v8.2 64-bit CPU 3MB L2 + 6MB L3(ACCEL-JS1000-N2)
System Memory	32GB or 64GB 256-bit LPDDR5 204.8 GB/s
Graphics	1792-core NVIDIA Ampere GPU with 56 Tensor Cores (ACCEL-JS1000-N1) 2048-core NVIDIA Ampere GPU with 64 Tensor Cores (ACCEL-JS1000-N2)
Storage	64GB eMMC 5.1 , M.2 NVMe Storage (Optional)
OS Support	Linux with Jetpack OS
Security	TPM 2.0
Speaker	2W x Speaer x 2

I/O

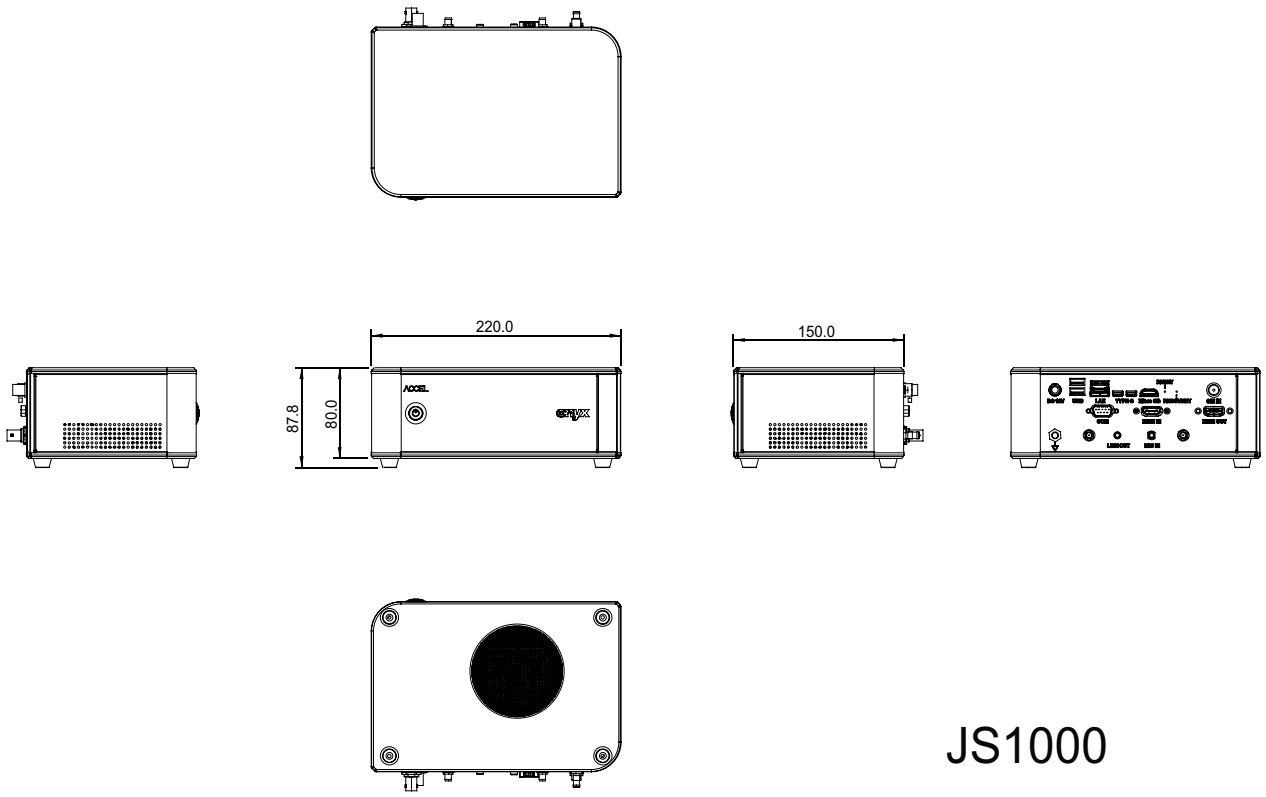
USB	USB Type C x 2 for USB 3.2 ,one only support APX mode USB Type A x 2 for USB 2.0
Ethernet	GigaLAN x 1
Video Out	HDMI 2.0 x 1
Video input	3G SDI or 12G SDI or HDMI 3G SDI(Max resolution up to 1920×1080p@60fps), 12G SDI(Max resolution up to 4096×2160@60fps) HDMI (Max resolution up to 1920×1080p@60fps)
Audio	Mic-in x 1 , Line out x 1
Serial Port	RS232 x 1
Function Port	Reset Button x 1 ,Recovery Button x 1, Grounding pin x 1
DC in	12V DC Jack
Front I/O	Power Button with Power LED indicator x 1
Wireless Communication	802.11a/b/g/n/ac/ax.w/BT5.2 (Optional)
Expansion I/O	PCIe [x8] x 1(Optional)

MECHANICAL AND ENVIRONMENTAL

Power	Medical adapter 12V 120W
Operating temperature	0°C ~ 35°C(32°F ~ 95°F)
Storage temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Dimension	220(W) x 150(D) x 87.8(H) mm
Package Size	295 x 230 x 208 mm
Gross Weight	3.4 KG
Net Weight	1.8KG
Certifications	CE: EN 60601-1-2: 2015 + A1: 2021 (V4.1), EN 60601-1: 2007 + A1:2013 +A2:2021 (V3.2) EN 55032:2015/A1:2020 EN 55035:2017/A11:2020 (ITE) IEC 62368-1:2020+A11:2020 (ITE) FCC: Part 15B/ Part 18 UL: ANSI AAMI ES60601-1:2005/A1:2012/ A2:2021(V3.2) cUL: CAN/CSA-C22.2 No. 60601-1:14 (IEC 60601-1: 2005+A1:2012+A2:2020,MOD) (V3.2)

※ All product specifications are subject to change without notice

Dimension / Unit: mm



JS1000

Ordering Information

- ACCEL-JS1000-N1-A1-0010
  Medical AI Edge.Jetson AGX Orin.Fan.HDMI out.64GB eMMC.32GB DDR5.Jetpack.Speaker.Adapter
- ACCEL-JS1000-N1-A2-0010
  Medical AI Edge.Jetson AGX Orin.Fan.HDMI out,3G SDI&HDMI input.64GB eMMC.32GB DDR5.Jetpack.Speaker.Adapter
- ACCEL-JS1000-N1-A3-0010
  Medical AI Edge.Jetson AGX Orin.Fan.HDMI out,12G SDI input.32GB DDR5.64GB eMMC.Jetpack.Speaker.Adapter
- ACCEL-JS1000-N1-A4-0010
  Medical AI Edge.Jetson AGX Orin.Fan.HDMI out, HDMI 2.0 input.32GB DDR5.64GB eMMC.Jetpack.Speaker.Adapter
- ACCEL-JS1000-N2-A1-0010
  Medical AI Edge.Jetson AGX Orin.Fan.HDMI out.64GB eMMC.64GB DDR5.Jetpack.Speaker.Adapter
- ACCEL-JS1000-N2-A2-0010
  Medical AI Edge.Jetson AGX Orin.Fan.HDMI out,3G SDI&HDMI input.64GB eMMC.64GB DDR5.Jetpack.Speaker.Adapter
- ACCEL-JS1000-N2-A3-0010
  Medical AI Edge.Jetson AGX Orin.Fan.HDMI out,12G SDI input.64GB eMMC.64GB DDR5.Jetpack.Speaker.Adapter
- ACCEL-JS1000-N2-A4-0010
  Medical AI Edge.Jetson AGX Orin.Fan.HDMI out,HDMI 2.0 input.64GB eMMC.64GB DDR5.Jetpack.Speaker.Adapter

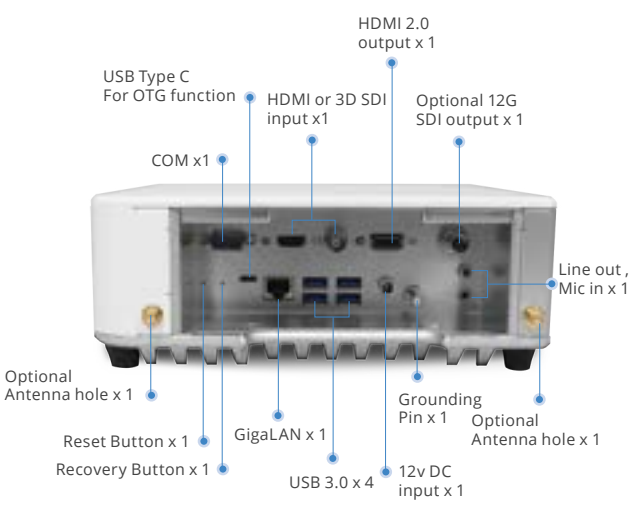
Optional Accessories

- OPM-C17W-A3
  WLAN Kit.802.11ax.w/BT 5.2.dual ext. antenna.Intel.AX200 for ACCEL-JS1000
- OPM-T042-A1
  512GB NVMe SSD Kit.for ACCEL-JS1000
- OPM-T042-A2
  1TB NVMe SSD Kit.for ACCEL-JS1000
- OPM-T042-A3
  2TB NVMe SSD Kit.for ACCEL-JS1000
- OPM-T042-A4
  4TB NVMe SSD Kit.for ACCEL-JS1000

AI Hardware Solution

ACCEL-JS810

NVIDIA Jetson Orin Nano Platform for Medical AI imaging application



Features

- NVIDIA Jetson Orin Nano Platform with 8GB LPDDR5 or 4GB LPDDR5
- Powerful AI computing performance with up to 40 TOPS
- Support HDMI 2.0 video output
- Support 360 degree no dead angle cleaning
- Support Full HD SDI and HDMI video input x 1
- Medical certified with CE/FCC/UL
- Support built in speaker x 2
- Fanless Design
- Support cable cover design for better cable management
- Support IP31 for whole system

Specifications

MAIN SPECIFICATIONS

AI Engine	NVIDIA Jetson Orin Nano
CPU	6-core Arm® Cortex®-A78AE v8.2 64-bit CPU 1.5MB L2 + 4MB L3 (ACCEL-JS810-N1) 8-core Arm® Cortex®-A78AE v8.2 64-bit CPU 2MB L2 + 4MB L3(ACCEL-JS810-N2)
System Memory	8GB 128-bit LPDDR5 68 GB/s or 4GB 64-bit LPDDR5 34 GB/s
Graphics	1024-core NVIDIA Ampere GPU with 32 Tensor Cores
Storage	NVMe M.2 SSD
OS Support	Linux with Jetpack OS
Security	TPM 2.0
Speaker	2W x Speaer x 2

I/O

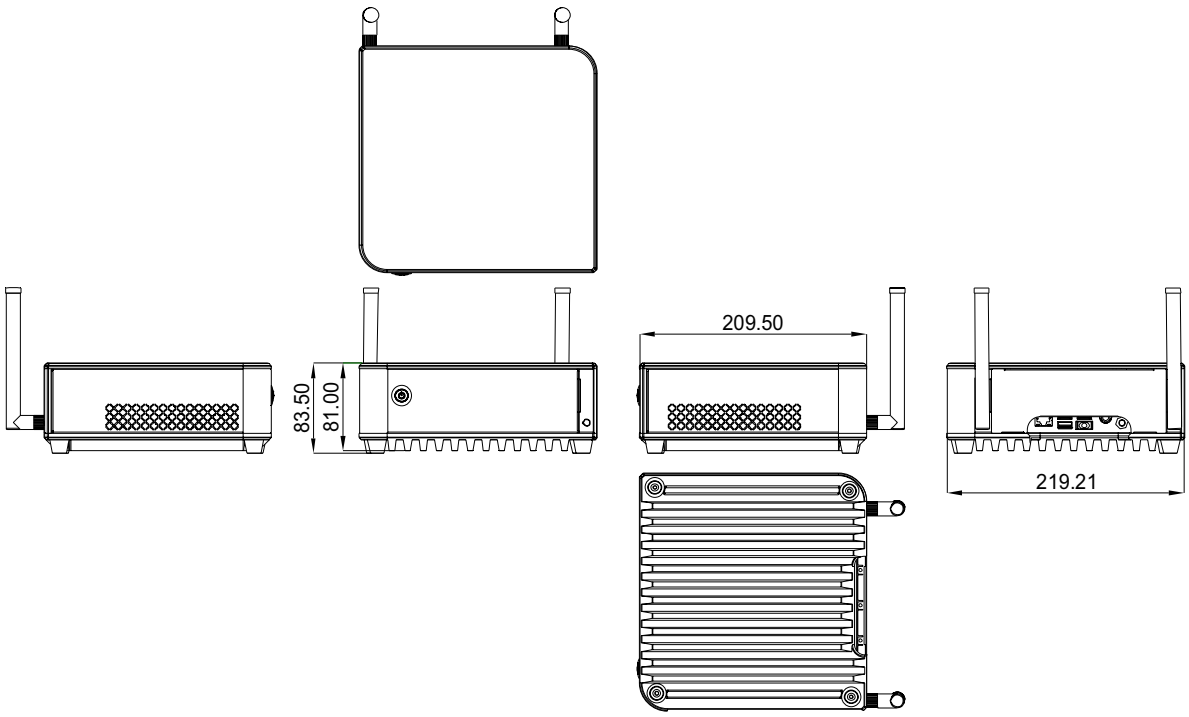
USB	USB OTG Type C x 1 USB 3.0 Type A x 4
Ethernet	GigaLAN x 1
Video out	HDMI 2.0 x 1
Video input	3G SDI and HDMI x 1 3G SDI(Max resolution up to 1920×1080p@60fps), HDMI(Max resolution up to 1920×1080p@60fps)
Audio	Mic-in x 1 , Line out x 1
Serial Port	RS232 x 1
Function Port	Reset Button x 1 ,Recovery Button x 1, Grounding pin x 1
DC in	12V DC Jack
Front I/O	Power Button with Power LED indicator x 1
Wireless Communication	802.11a/b/g/n/ac/ax.w/BT5.2 (Optional)

MECHANICAL AND ENVIRONMENTAL

Power	Medical adapter 12V 65W
Operating temperature	0°C ~ 35°C(32°F ~ 95°F)
Storage temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Dimension	219mm x 209mm x 83.5mm
Package Size	360mm x 350mm x 280mm
Gross Weight	4.33 kg
Net Weight	2.6 kg
Certifications	CE: EN 60601-1-2:2015(V4.0), EN 60601-1:2006/A1:2013/A12:2014 (V3.1) FCC: Part 18 Class B, Part 15 Class B, UL: ANSI/AAMI ES60601-1:2012 (V3.1) cUL: CAN/CSA-C22.2 No. 60601-1:2014 (V3.1)

※ All product specifications are subject to change without notice

Dimension / Unit: mm



Ordering Information

- ACCEL-JS810-N1-A1-0010
  Medical AI Edge.Jetson Orin NANO.HDMI out. 4GB DDR5. Jetpack.Speaker.Adapter
- ACCEL-JS810-N1-A2-0010
  Medical AI Edge.Jetson Orin NANO.HDMI out,3G SDI&HDMI input. 4GB DDR5.Jetpack.Speaker.Adapter
- ACCEL-JS810-N1-A3-0010
  Medical AI Edge.Jetson Orin NANO .HDMI out,12G SDI input.4GB DDR5.Jetpack.Speaker.Adapter
- ACCEL-JS810-N1-A4-0010
  Medical AI Edge.Jetson Orin NANO .HDMI out, HDMI 2.0 input.4GB DDR5.Jetpack.Speaker.Adapter
- ACCEL-JS810-N2-A1-0010
  Medical AI Edge.Jetson Orin NANO .HDMI out.8GB DDR5. Jetpack.Speaker.Adapter
- ACCEL-JS810-N2-A2-0010
  Medical AI Edge.Jetson Orin NANO.HDMI out,3G SDI&HDMI input. 8GB DDR5.Jetpack.Speaker.Adapter
- ACCEL-JS810-N2-A3-0010
  Medical AI Edge.Jetson Orin NANO.HDMI out,12G SDI input.8GB DDR5.Jetpack.Speaker.Adapter
- ACCEL-JS810-N2-A4-0010
  Medical AI Edge.Jetson Orin NANO.HDMI out,HDMI 2.0 input.8GB DDR5.Jetpack.Speaker.Adapter

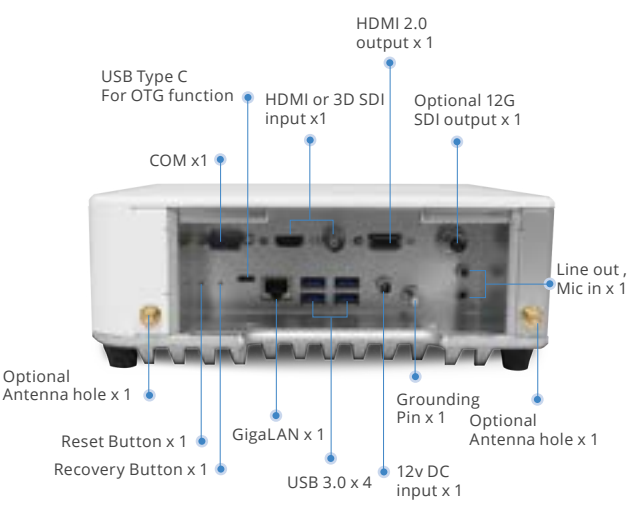
Optional Accessories

- OPM-C21W-A2
  WLAN Kit.802.11a/b/g/n/ac/ax (Wi-Fi 6).w/BT 5.2.dual ext. antenna.Realtek RTL8852BE.for ACCEL-JS800 Series

AI Hardware Solution

ACCEL-JS800

NVIDIA Jetson Orin NX platform for Medical AI imaging application



Features

- NVIDIA Jetson Orin NX platform with 16GB LPDDR5 or 8GB LPDDR5
- Powerful AI computing performance with up to 100 TOPS
- Support HDMI 2.0 video output
- Support 360 degree no dead angle cleaning
- Support Full HD SDI and HDMI video input x 1
- Medical certified with CE/FCC/UL
- Support built in speaker x 2
- Fanless Design
- Support cable cover design for better cable management
- Support IP31 for whole system

Specifications

MAIN SPECIFICATIONS

AI Engine	NVIDIA Jetson Orin NX
CPU	6-core Arm® Cortex®-A78AE v8.2 64-bit CPU 1.5MB L2 + 4MB L3 (ACCEL-JS800-N1) 8-core Arm® Cortex®-A78AE v8.2 64-bit CPU 2MB L2 + 4MB L3(ACCEL-JS800-N2)
System Memory	8GB or 16GB 128-bit LPDDR5 102.4 GB/s
Graphics	1024-core NVIDIA Ampere GPU with 32 Tensor Cores
Storage	NVMe M.2 SSD
OS Support	Linux 20.04 with Jetpack 5.0
Security	TPM 2.0
Speaker	2W x Speaer x 2

I/O

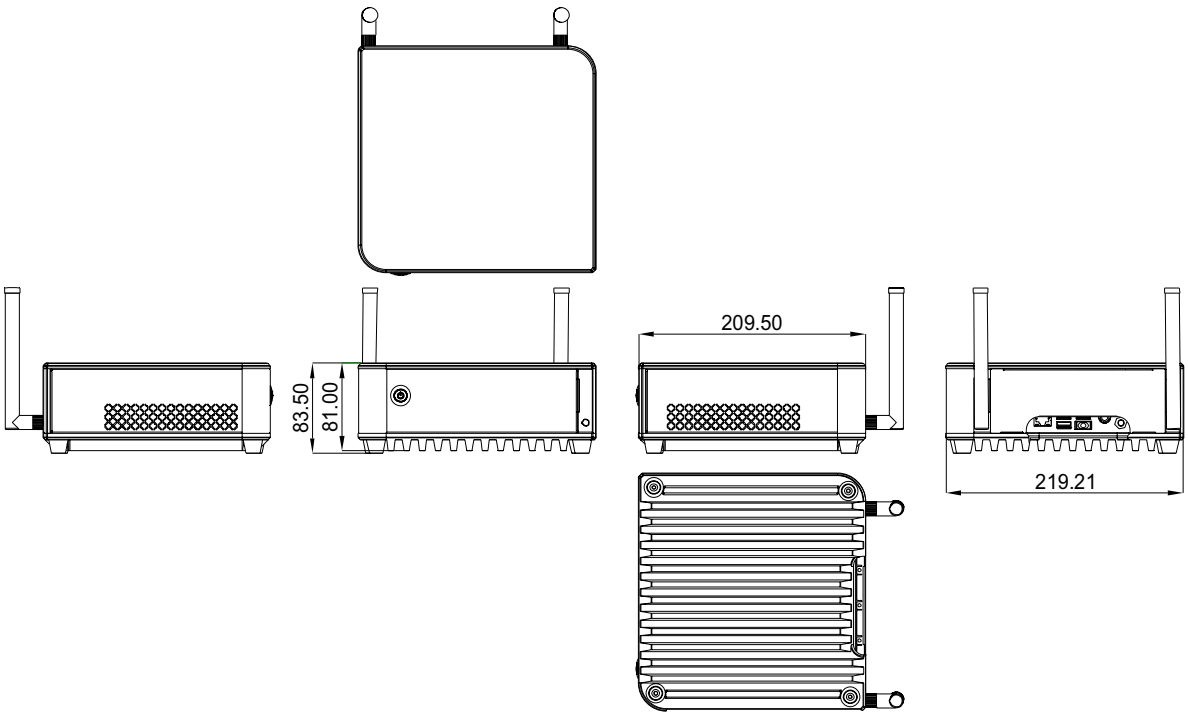
USB	USB OTG Type C x 1 USB 3.0 Type A x 4
Ethernet	GigaLAN x 1
Video out	HDMI 2.0 x 1
Video input	3G SDI and HDMI x 1 3G SDI(Max resolution up to 1920×1080p@60fps), HDMI(Max resolution up to 1920×1080p@60fps)
Audio	Mic-in x 1 , Line out x 1
Serial Port	RS232 x 1
Function Port	Reset Button x 1 ,Recovery Button x 1, Grounding pin x 1
DC in	12V DC Jack
Front I/O	Power Button with Power LED indicator x 1
Wireless Communication	802.11a/b/g/n/ac/ax.w/BT5.2 (Optional)

MECHANICAL AND ENVIRONMENTAL

Power	Medical adapter 12V 65W
Operating temperature	0°C ~ 35°C(32°F ~ 95°F)
Storage temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Dimension	219mm x 209mm x 83.5mm
Package Size	360mm x 350mm x 280mm
Gross Weight	4.33 kg
Net Weight	2.6 kg
Certifications	CE: EN 60601-1-2:2015(V4.0), EN 60601-1:2006/A1:2013/A12:2014 (V3.1) FCC: Part 18 Class B, Part 15 Class B, UL: ANSI/AAMI ES60601-1:2012 (V3.1) cUL: CAN/CSA-C22.2 No. 60601-1:2014 (V3.1)

※ All product specifications are subject to change without notice

Dimension / Unit: mm



Ordering Information

- ACCEL-JS800-N1-A1-0010
  Medical AI Edge.Jetson Orin NX.Fan.HDMI out. 8GB DDR5. Jetpack.Speaker.Adapter
- ACCEL-JS800-N1-A2-0010
  Medical AI Edge.Jetson Orin NX.Fan.HDMI out,3G SDI&HDMI input. 8GB DDR5.Jetpack.Speaker.Adapter
- ACCEL-JS800-N1-A3-0010
  Medical AI Edge.Jetson Orin NX .Fan.HDMI out,12G SDI input.8GB DDR5.Jetpack.Speaker.Adapter
- ACCEL-JS800-N1-A4-0010
  Medical AI Edge.Jetson Orin NX .Fan.HDMI out, HDMI 2.0 input.8GB DDR5.Jetpack.Speaker.Adapter
- ACCEL-JS800-N2-A1-0010
  Medical AI Edge.Jetson Orin NX .Fan.HDMI out.16GB DDR5. Jetpack.Speaker.Adapter
- ACCEL-JS800-N2-A2-0010
  Medical AI Edge.Jetson Orin NX. Fan.HDMI out,3G SDI&HDMI input. 16GB DDR5.Jetpack.Speaker.Adapter
- ACCEL-JS800-N2-A3-0010
  Medical AI Edge.Jetson Orin NX.Fan.HDMI out,12G SDI input.16GB DDR5.Jetpack.Speaker.Adapter
- ACCEL-JS800-N2-A4-0010
  Medical AI Edge.Jetson Orin NX.Fan.HDMI out,HDMI 2.0 input.16GB DDR5.Jetpack.Speaker.Adapter

Optional Accessories

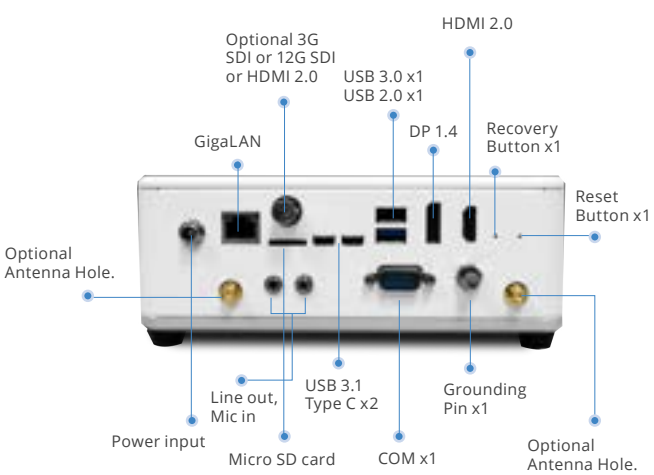
- OPM-C21W-A2
  WLAN Kit.802.11a/b/g/n/ac/ax (Wi-Fi 6).w/BT 5.2.dual ext. antenna.Realtek RTL8852BE.for ACCEL-JS800 Series

AI Hardware Solution

ACCEL-JS500 / JS500i

NVIDIA Jetson AGX Xavier or AGX Xavier Industrial platform

Power button



Features

- NVIDIA Jetson AGX Xavier or AGX Xavier Industrial Platoform for Medical AI usage.
- Support AGX Xavier Industrial Platform with 10 years Longevity
- 512-core Volta GPU with Tensor Cores
- Support optional 3G or 12G or HDMI 2.0 input for image capture
- Support Dual 4K display output (HDMI and Display port)
- Support internal speaker
- Medical Certification
- Palm size dimension with powerful AI computing

Specifications

MAIN SPECIFICATIONS

	ACCEL-JS500	ACCEL-JS500i
AI Engine	NVIDIA Jetson AGX Xaiver	NVIDIA Jetson AGX Xaiver Industrial
CPU	8-Core ARM v8.2 64bit CPU, 8MB L2 + 4MB L3	
System Memory	32GB 256-bit LPDDR4 w/ECC	
Graphics	512 Core Volta GPU with Tensor Cores	
Storage	64GB eMMC Onboard	
	Micro SD card Slot	
	M.2 M Key 2280 (Only for ACCEL-JS500-N1-A1-0010 and ACCEL-JS500-N1-A2-0010)	M.2 M Key 2280 (Only for ACCEL-JS500i-N1-A1-0010 and ACCEL-JS500i-N1-A2-0010)
OS support	Linux with Jetpack OS	
Security	TPM 2.0	
Speaker	2W x Speaer x 2	

I/O

USB	USB Type C x 2 for USB 3.1
	USB Type A x 1 for USB 3.0
	USB Type A x 1 for USB 2.0
Ethernet	Gigabit LAN x 1
Video Out	HDMI 2.0 x 1 , Display Port 1.4 x 1
Video input (Optional)	3G SDI x 1 or 12G SDI x 1 or HDMI 2.0 x 1
	3G SDI(Max resolution up to 1920×1080p@60fps)
	12G SDI(Max resolution up to 4096×2160@60fps)
	HDMI 2.0(Max resolution up to 4096x 2160@60fps)
Audio	Mic-in x 1 , Line out x 1
COM	RS232 x 1
Function Port	Reset Button x 1 ,Recovery Button x 1 ,
DC-in	12V DC Jack
Wireless Communication	802.11a/b/g/n/ac.w/BT5.0 (Optional)
LED Indicator	Power LED x 1

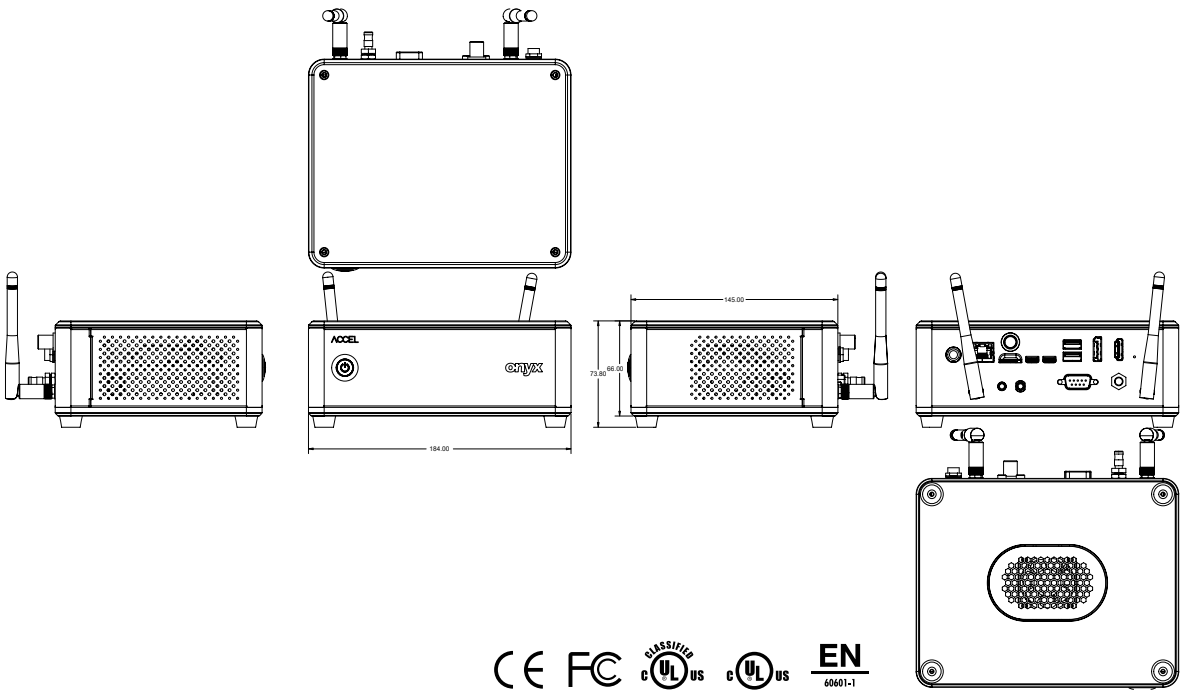
ENVIRONMENT AND MECHANICAL

Power	Medical adapter 12V 84W
Operating temperature	0°C ~ 35°C(32°F ~ 95°F)
Storage temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Dimension	184(W) x 145(L) x 66(H) mm
Package Size	295(W) x 230(L) x 208(H) mm
Gross Weight	3.1 kg
Net Weight	1.675 kg
Certifications	CE: EN 60601-1-2: 2015 + A1: 2021 (V4.1), EN 60601-1: 2007 + A1:2013 +A2:2021 (V3.2) EN 55032:2015/A1:2020 EN 55035:2017/A11:2020 (ITE) IEC 62368-1:2020+A11:2020 (ITE) FCC: Part 15B/ Part 18

※ All product specifications are subject to change without notice

NVIDIA Jetson AGX Xavier or AGX Xavier Industrial platform

Dimension / Unit: mm



Ordering Information

- ACCEL-JS500-N1-A1-0010
  Medical grade AI box PC, Nivdia Jetson AGX Xaiver, Fan. adapter with internal speaker
- ACCEL-JS500-N1-A2-0010
  Medical grade AI box PC, Nivdia Jetson AGX Xaiver, Fan. 3G SDI. adapter, with internal speaker
- ACCEL-JS500-N1-A3-0010
  Medical grade AI box PC, Nivdia Jetson AGX Xaiver, Fan. 12G SDI. adapter, with internal speaker
- ACCEL-JS500-N1-A4-0010
  Medical grade AI box PC, Nivdia Jetson AGX Xaiver, Fan. HDMI 2.0. adapter, with internal speaker
- ACCEL-JS500i-N1-A1-0010
  Medical grade AI box PC, Nivdia Jetson AGX Xaiver Industrial, Fan. adapter with internal speaker
- ACCEL-JS500i-N1-A2-0010
  Medical grade AI box PC, Nivdia Jetson AGX Xaiver Industrial, Fan. 3G SDI. adapter, with internal speaker
- ACCEL-JS500i-N1-A3-0010
  Medical grade AI box PC, Nivdia Jetson AGX Xaiver Industrial, Fan. 12G SDI. adapter, with internal speaker
- ACCEL-JS500I-N1-A4-0010
  Medical AI Edge.Jetson AGX Industrial Xaiver.FAN.HDMI 2.0. 32GB DDR4.32G eMMC.Jetpack OS.Speaker.Adapter

Optional Accessories

- M14S500030
  (AOH)(TF)Metal.Al.PC.Holder.RAL 9003 H04.Rev0.0.ACCEL-JS500
- OPM-C18W-A15
  WLAN Kit.802.11a/b/g/n/ac w/BT 5.0.dual ext. antenna. Qualcomm Atheros QCNFA364A.for ACCEL-JS500
- OPM-J500-A1
  Second Half Slim Storage.ACCEL-JS500

AI Hardware Solution

ACCEL-A2203

22” Medical AI Accelerator with NVIDIA Ampere MXM Graphics

Features

- NVIDIA RTX A1000/A2000/A4500 MXM Graphics
- Intel® 14th generation Core™ i9/ i7/ i5 / i3 Processor
- Support Dual Channel DDR5 5600Mhz SODIMM up to 96GB
- 22" Full HD High Contrast LCD w/ Capacitive Multi-Touch Screen
- 2.5 Gigabit LAN x 1, Gigabit LAN x 1
- High Speed USB 3.2 Gen2 Ports
- 8MP Camera with Mic (optional)
- Imprivata RFID Reader (optional)

Specifications

MAIN SPECIFICATIONS

Processor	Intel® 14th Gen Core i9-14900/ i7-14700/ i5-14500 (TDP 65W)
System Memory	Support Dual Channel DDR5 5600Mhz SODIMM up to 96GB
Expansion	M.2 2280 M Key x1
MXM Graphics	NVIDIA RTX A1000/A2000/A4500
OS Support	Windows® 10, Windows® 11, Linux®
Storage Disk Driver	M.2 2242 M Key NVMe x 1
Security	Trusted Platform Module 2.0 , Imprivata RFID Reader (optional)u˘
Wireless Communication	802.11 ax (optional),Bluetooth 5.3 (optional)
Speaker	2W x 2
Function Key	Power on/off, LCD up/down, Touch enable/disable, Reading Light enable/disable
Power Requirement	Medical Adapter 250W 12V

DISPLAY

Size	22” LCD
Resolution	1920 x 1080
Luminance	250 nits
View Angle	178˚(H)/178˚(V)
Contrast Ratio	1000:1
Back Light Life Time	50,000 Hours
Touch Screen	Capacitive Multi-Touch

I/O

USB	USB 3.2 Gen2 x 4,USB 3.2 Type C x 1 (optional)
Ethernet	2.5 Gigabit LAN x 1, Gigabit LAN x 1
Video Out	HDMI 2.0b x 2, Display Port 1.4a x 1,˘
Audio	Mic-in, Line-out

MECHANICAL AND ENVIRONMENTAL

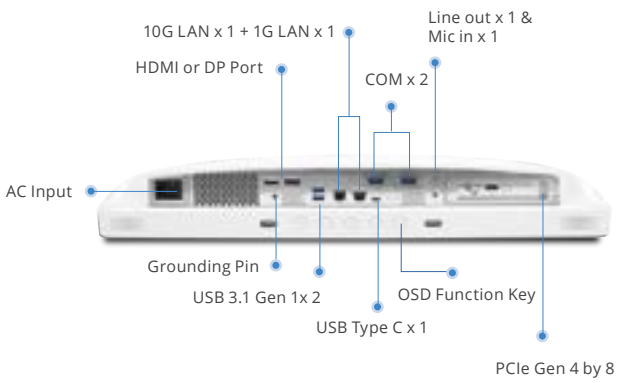
Operating Temperature	0°C ~ 35°C(32°F ~ 95°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Mounting VESA	100 mm
Degree of Protection	IP65 in the front ; IPX1 in the back
Dimension	542 x 355 x 64 mm (approx.)
Package Size	711 x 195 x 503 mm
Gross Weight	11.5 kg
Net Weight	8.5 kg
Certifications	CE: EN 60601-1-2:2015(V4.1) FCC: Part 18 Class B UL: ANSI/AAMI ES60601-1:2012 (V3.2) cUL: CAN/CSA-C22.2 No. 60601-1:2014 (V3.2)

※ All product specifications are subject to change without notice

AI Hardware Solution

ACCEL-JS221

22” FHD NVIDIA Jetson AGX Orin Medical All in One PC for AI Inference



Features

- NVIDIA Jetson AGX Orin platform with 64GB LPDDR5 or 32GB LPDDR5
- Powerful AI computing performance with up to 275 TOPS
- Support 10G and 1G LAN for high bandwidth application
- 22" LED Full HD Resolution, 250nits
- Support DP 1.4 or HDMI 2.0 video output
- Slim and Compact Size
- Support HDMI 2.0 and 12G SDI video input (Optional)
- Medical Cetified with CE/FCC/UL
- Support PCIe Gen 4 [x8] x1 for additional capture card
- Support built in speaker x 2

Specifications

MAIN SPECIFICATIONS

CPU	NVIDIA Jetson AGX Orin12-core Arm® Cortex®-A78AE v8.2 64-bitCPU3MB L2 + 6MB L3 /8-core Arm® Cortex®-A78AE v8.2 64-bitCPU 2MB L2 + 4MB L3
System Memory	32GB or 64GB 256-Bit LPDDR5
Graphics	NVIDIA Ampere architecture 2048 NVIDIA CUDA® cores and 64 Tensor Cores / 1792 NVIDIA CUDA® cores and 56 Tensor Cores
Storage	64GB eMMC and M.2 NVMe SSD x 1
OS Support	Linux
Security	TPM2.0 Chip (Infineon SLB9670XQ2.0)
Speaker	2W x 2
Front Screen	Power On/Off, LCD,Brightness Up/Down, Touch Screen On/Off
Power Requirement	100~240V AC

DISPLAY

Size	22” LCD
Resolution	1920 x 1080
Luminance	250 nits
View Angle	178˚(H)/178˚(V)
Contrast Ratio	1000:1
Back Light Life Time	50,000 Hours
Touch Screen	Capacitive Multi-Touch

I/O

USB	USB 3.2 Type A x 2 , USB 3.2 Type C x 1
Ethernet	GigaLAN x 1, 10G LAN x 1
Video Out	HDMI 2.0 x 1 and Display Port 1.4 (without front screen)
	HDMI 2.0 x 1 and Display Port 1.4 (without front screen)
	3G SDI or HDMI (FHD)
	12G SDI or HDM 2.0
Video input (optional)	3G SDI(Max resolution up to 1920×1080p@60fps)
	12G SDI(Max resolution up to 4096×2160@60fps)
	HDMI (FHD)(Max resolution up to 1920×1080p@60fps
	HDMI 2.0 (Max resolution up to 4096×2160@60fps)
Audio	Mic-in x 1 , Line out x 1
Serial Port	RS232 x 2
Function Port	Grounding pin x 1
Wireless Communication	802.11a/b/g/n/ac/ax.w/BT5.2 (Optional)
Expansion I/O	PCIe Gen 4 [x8] x 1

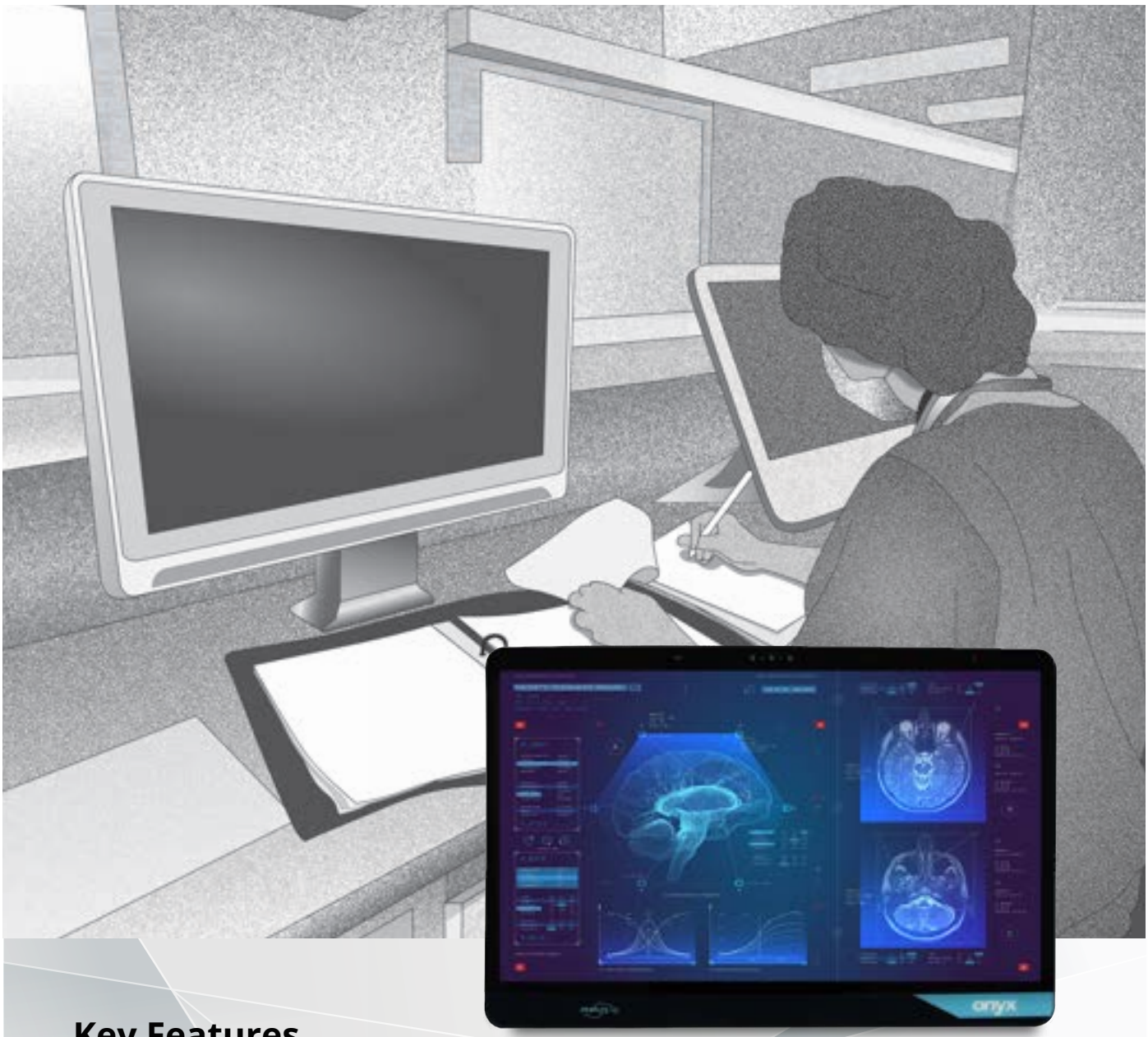
MECHANICAL AND ENVIRONMENTAL

Operating temperature	0°C ~ 35°C(32°F ~ 95°F)
Storage temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Dimension	400 x 166 x 407 mm
Package Size	560 x 305 x 628 mm
Gross Weight	14 kg
Net Weight	12 kg

※ All product specifications are subject to change without notice

MEDICAL CART COMPUTER

Onyx has developed an all in one panel computer that provides 24/7 non-stop service and offers true mobility. Venus, the medical portable computer, features dual hot swapptable batteries system and universal mounting slots. The battery system allow users to replace one of the batteries without turning the computer off .Also, the dual batteries design supply a very long running time and short charging time. Lightweight design with Magnesium alloy rear cover provides high strength and great heat dissipation, and it has mounting slots that will fit any medical cart. Small features that come with the unit such as RFID, reading light bar, and smart card scanner come in handy for the operator.

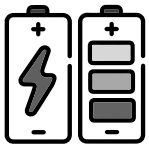


Key Features

- Highest level of medical safety protection, EMC4.1 / Safety3.2
- Built-in dual battery to provide Max 260Wh power for standing 18 hours operating.
- Support running as 24/7 by swapping batteries.
- With magnesium alloy rear cover provides high strength , light weight ,and great heat dissipation.
- ORION, Hospital IT Management Software Package.
- Hi-speed recharge, flexible mounting type

NO PENDING FOR CHARGING

Swappable batteries are small and light enough to be changed with one hand while also providing long-lasting, nonstop power.



CLEANABILITY WITH HOSPITAL SOLVENTS

Venus Series was designed for using in hospital environment. The Front IP65 waterproof and non-gap design was made it more easy to be clean with hospital solvent, and fit almost all the cleaning strategies.

EASY TO MANAGEMENT REMOTELY (ORION)

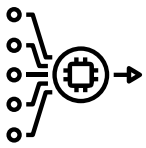
ORION, a hospital IT management software package. Remotely monitor battery status including charging cycles, temperature, capacity, and usage statistics, or set custom reminders.

TPM

A Trusted Platform Module increase privacy and security utilizing hardware-encryption with files to ensure sensitive information remains safe and secure.

EXTERNAL OUTPUT

24W DC output connector supplies power to additional medical devices



LIGHTWEIGHT DESIGN

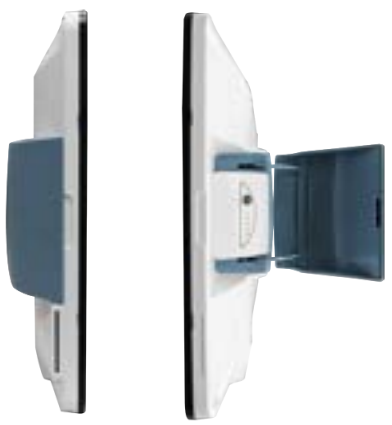
Magnesium alloy construction and 300g batteries ensure the unit is sturdy, yet easy to carry, position and handle.

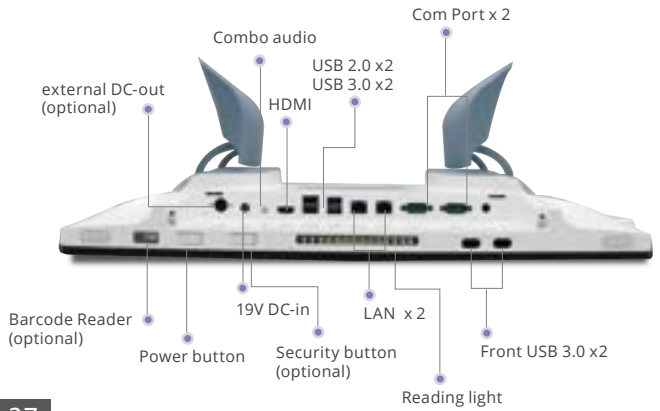
Medical Cart Computer

Venus-244

24" Dual Hot Swappable Battery Medical Cart Computer

R 003-220254
T D220163003





Features

- Intel 11th gen Tigerlake, fan less implementation
- Windows 11 and IGEL Compliant
- Dual Hot Swappable Batteries
- Easy cleanable and anti-bacterial
- Internal Imprivata compliant RFID reader (optional)
- WiFi 6 (optional)
- Compliant with all Venus batteries
- Remotely Manageable by central iT departments

Specifications

MAIN SPECIFICATIONS

Processor	Intel® 11th generation Core i7 1165G7 / i5 1135G7
System Memory	DDR4 up to 64GB
OS Support	Microsoft® Windows 11 Microsoft® Windows 10 (64bit) Ubuntu 20.04 LTS IGEL (thin client solution)
Storage	m.2 SSD up to 1TB
Wireless Communication	802.11 a/b/g/n/ac/ax (optional) WiFi 6E + Bluetooth 5.3 (optional)
Touch	PCT (optional)
Speaker	3W x2
Trusted Platform Module	TPM 2.0
Security	Smart Card Reader (optional),Imprivata RFID reader (optional),Barcode reader (optional)
Waterproof	Front IP65 ; rear IPX1

DISPLAY

Display Size	23.8”
Resolution	FHD 1920 x 1080
Max. Colors	16.7M
Contrast Ratio	3000:1
Luminance (cd/m2)	250

I/O

USB	Rear I/O :USB 3.0 x2, USB 2.0 x2 Front button I/O : USB 3.0 x2
Video Out	HDMI 1.4 x1
COM	COM port x2
Audio	Combo audio port x1
Ethernet	1.5kv isolated Gigabit LAN x2
DC-in	19V DC-in x1

MECHANICAL AND ENVIRONMENTAL

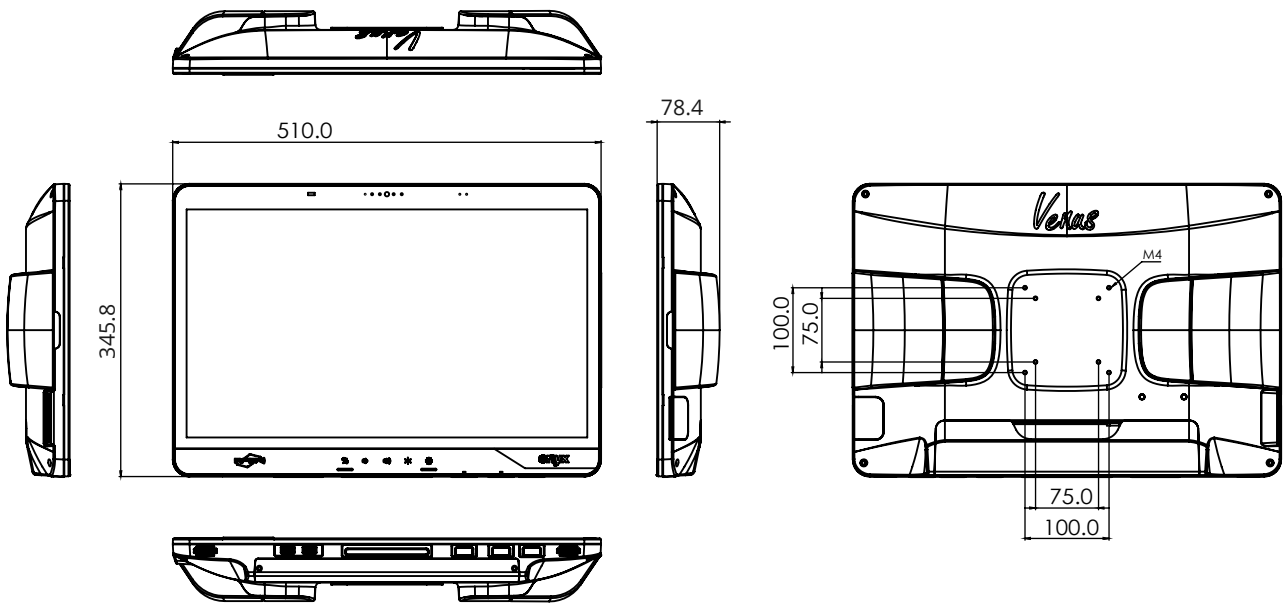
VESA	75/100 mm VESA mount
Operating Temperature	0°C ~ 35°C(32°F ~ 95°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Storage Humidity	10%~95%@40°C, non-condensing
Dimension	560(L) x 78.4(W) x373(H)
Package Size	730(L) x 240(W) x 550(H) mm
Gross Weight	11kg(24.3ibs)
Net Weight	7kg
Certifications	CE: EN 60601-1-2: 2015 + A1: 2021 (V4.1), EN 60601-1: 2007 + A1:2013 +A2:2021 (V3.2) EN 55032:2015/A1:2020 EN55035:2017/A11:2020(ITE) IEC62368-1:2020+A11:2020 (ITE) FCC : Part 15B/ Part 18 UL: ANSI AAMI ES60601-1:2005/A1:2012/A2:2021(V3.2) cUL: CAN/CSA-C22.2 No. 60601-1:14 (IEC 60601-1: 2005+A1:2012+A2:2020,MOD) (V3.2) TELEC :JAPAN TELEC

ALL PRODUCT, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE TO IMPROVE RELIABILITY, FUNCTION OR DESIGN OR OTHERWISE.

※ All product specifications are subject to change without notice

24" Dual Hot Swappable Battery Medical Cart Computer

Dimension / Unit: mm



Ordering Information

- VENUS-244-P35-A1-0000
  Cart Computer.i5 1135G7.24".Fanless.PCT.TPM
- VENUS-244-G75-A1-0000
  Cart Computer.7505.24".Fanless.TPM

Optional Accessories

- 125530120B
  19V medical adapter
- DDR4-08G-04
  DDR4 3200 8GB RAM
- SSD-256GB-003
  (AOH)(TF)M.2 2242 SSD.TLC.256GB
- 9789BAXL14
  2 XL Battery Kit(long).Li-ion 3S3P.10.95V.Venus/UPower. volume package
- OPM-C17W-A1
  Wifi 6 (intel ax200) for Venus-22x
- OPM-C15W-A8
  WLAN Kit 802.11 a/b/g/n/d . BT 5 . dual band antenna. Intel AC9260
- OPM-T035-A1
  Smart card reader
- OPM-S02R-A3
  RFID (imprivata compatible)
- OPM-V02C-A1
  Hello camera
- OPM-S09R-A1
  Barcode reader
- OPM-T036-A1
  Customize physical button
- OPM-T037-A1
  Alarm LED

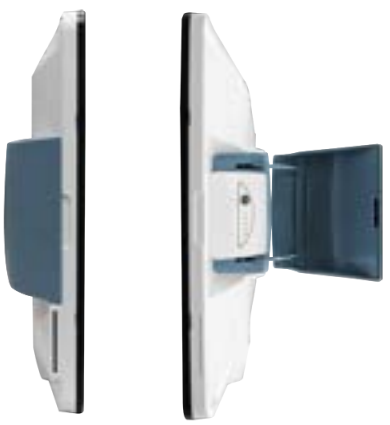
※ All product specifications are subject to change without notice

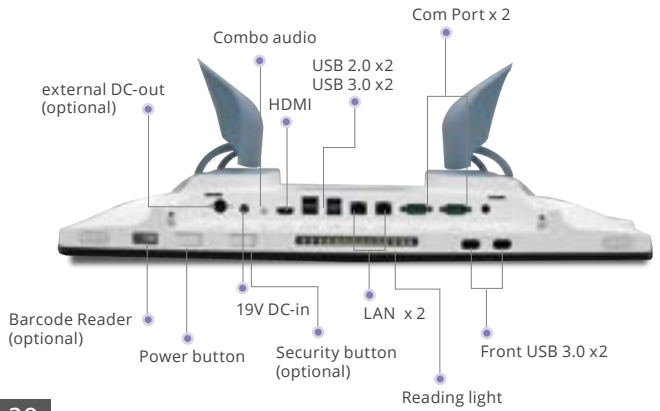
Medical Cart Computer

Venus-224

22" Dual Hot Swappable Battery Medical Cart Computer

R 003-220254
T D220163003





Features

- Intel 11th gen Tigerlake, fan less implementation
- Windows 11 and IGEL Compliant
- Dual Hot Swappable Batteries
- Easy cleanable and anti-bacterial
- Internal Imprivata compliant RFID reader (optional)
- WiFi 6 (optional)
- Compliant with all Venus batteries
- Remotely Manageable by central iT departments

Specifications

MAIN SPECIFICATIONS

Processor	Intel® 11th generation Core i7 1165G7 / i5 1135G7
System Memory	DDR4 up to 64GB
OS Support	Microsoft® Windows 11 Microsoft® Windows 10 (64bit) Ubuntu 20.04 LTS IGEL (thin client solution)
Storage	m.2 SSD up to 1TB
Wireless Communication	802.11 a/b/g/n/ac/ax (optional) WiFi 6E + Bluetooth 5.3 (optional)
Touch	PCT (optional)
Speaker	3W x2
Trusted Platform Module	TPM 2.0
Security	Smart Card Reader (optional),Imprivata RFID reader (optional),Barcode reader (optional)
Waterproof	Front IP65 ; rear IPX1

DISPLAY

Display Size	21.5”
Resolution	FHD 1920 x 1080
Max. Colors	16.7M
Contrast Ratio	1000:1
Luminance (cd/m2)	250

I/O

USB	Rear I/O :USB 3.0 x2, USB 2.0 x2 Front button I/O : USB 3.0 x2
Video Out	HDMI 1.4 x1
COM	COM port x2
Audio	Combo audio port x1
Ethernet	1.5kv isolated Gigabit LAN x2
DC-in	19V DC-in x1

MECHANICAL AND ENVIRONMENTAL

VESA	75/100 mm VESA mount
Operating Temperature	0°C ~ 35°C(32°F ~ 95°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Storage Humidity	10%~95%@40°C, non-condensing
Dimension	510(L) x 78.4(W) x 346(H)
Package Size	645(L) x 210(W) x 513(H) mm
Gross Weight	10kg(26.5lbs)
Net Weight	6kg
Certifications	CE: EN 60601-1-2: 2015 + A1: 2021 (V4.1), EN 60601-1: 2007 + A1:2013 +A2:2021 (V3.2) EN 55032:2015/A1:2020 EN55035:2017/A11:2020(ITE) IEC62368-1:2020+A11:2020 (ITE) FCC : Part 15B/ Part 18 UL: ANSI AAMI ES60601-1:2005/A1:2012/A2:2021(V3.2) cUL: CAN/CSA-C22.2 No. 60601-1:14 (IEC 60601-1: 2005+A1:2012+A2:2020,MOD) (V3.2) TELEC :JAPAN TELEC

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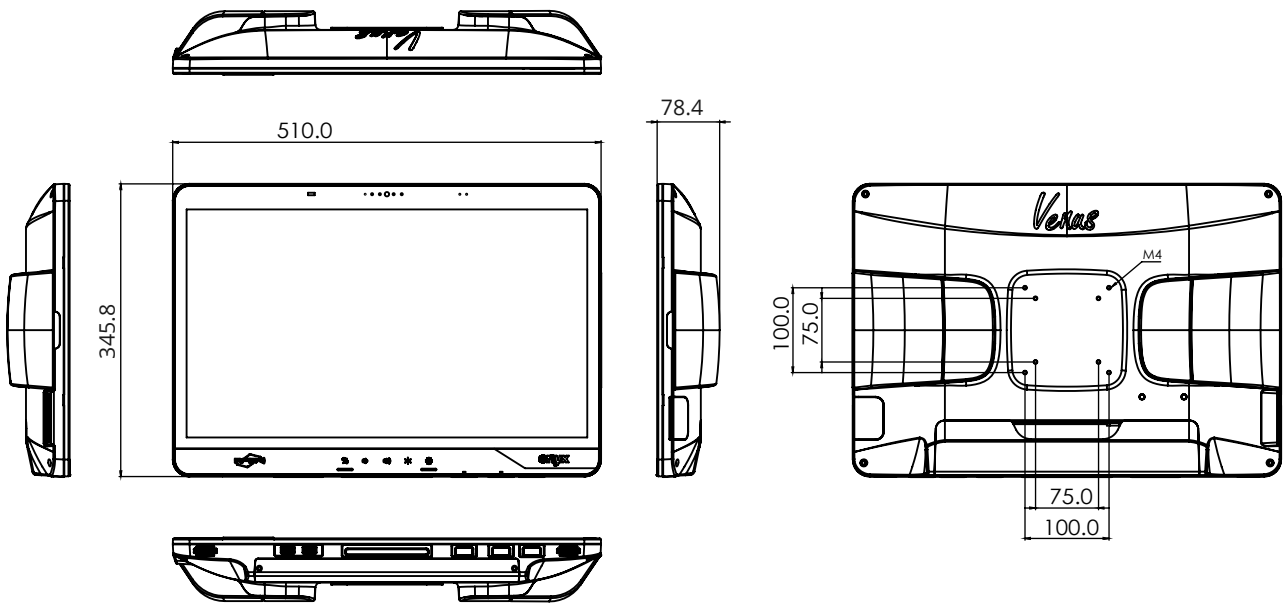
※ All product specifications are subject to change without notice

22" Dual Hot Swappable Battery Medical Cart Computer

Dimension / Unit: mm



Ordering Information

- VENUS-224-P35-A1-0000
  Cart Computer.i5 1135G7.22".Fanless.PCT.TPM
- VENUS-224-G75-A1-0000
  Cart Computer.7505.22".Fanless.TPM

Optional Accessories

- 125530120B
  19V medical adapter
- DDR4-08G-04
  DDR4 3200 8GB RAM
- SSD-256GB-003
  (AOH)(TF)M.2 2242 SSD.TLC.256GB
- 9789BAXL14
  2 XL Battery Kit(long).Li-ion 3S3P.10.95V.Venus/UPower. volume package
- OPM-C17W-A1
  Wifi 6 (intel ax200) for Venus-22x
- OPM-C15W-A8
  WLAN Kit 802.11 a/b/g/n/d . BT 5 . dual band antenna. Intel AC9260
- OPM-T035-A1
  Smart card reader
- OPM-S02R-A3
  RFID (imprivata compatible)
- OPM-V02C-A1
  Hello camera
- OPM-S09R-A1
  Barcode reader
- OPM-T036-A1
  Customize physical button
- OPM-T037-A1
  Alarm LED

Medical Cart Computer

Self-Power Cart Computer Accessory Selection

OPM-P02T

2 XL Battery Li-ion 10.905V 8400mAh

Specifications

MAIN SPECIFICATIONS

Battery Type	3S3P / 9 Cell Li-ion battery
Battery Voltage	10.95V
Battery Capacity	8400mAh / 91.56Wh
Warranty	1 year
Certification	UL, CE, IEC-60950-1, IEC-62133-1

MECHANICAL AND ENVIRONMENTAL

Dimension	122(L) x79(W) x 50 (H) mm
Net Weight	504g /pcs
Operating Temperature	0°C ~ 40°C(32°F ~ 104°F)

ORDERING INFORMATION

- 9789BAXL14
  2 XL Battery Kit. Li-ion 3S3P, 10.905V, 8400mAh.

OPM-P03T

2 XXL Battery Kit. Li-ion. 10.8V. 12060mAh

Specifications

MAIN SPECIFICATIONS

Battery Type	3S4P / 12 Cell Li-ion battery
Battery Voltage	10.8V
Battery Capacity	12060mAh / 130.2Wh
Warranty	2 year , 1000 cycle
Certification	UL, CE, IEC-60950-1, IEC-62133-1

MECHANICAL AND ENVIRONMENTAL

Dimension	137(L) x 79(W) x 48 (H) mm
Net Weight	690g (1.52lbs)/pcs
Operating Temperature	0°C ~ 40°C(32°F ~ 104°F)

ORDERING INFORMATION

- OPM-P03T
  2 XXL Battery Kit. Li-ion , 10.8V, 12060mAh. (via Ocean)

Medical Cart Computer

Self-Power Cart Computer Accessory Selection

UP-P22

2-slot battery charger

Specifications

Battery Charge Time	3hrs for standard battery; 3.5hrs for XL battery
Input Power	24V Medical adaptor
Protection	Supports protection from over-voltage (input), over-current (input and output), short circuit, over-charge.
IO interface	Mini-din 4pin x1; USB Type A x1 (Power output only); USB micro-B x1(Data transport only); DC-in
Certification	CE: EN 60601-1-2: 2015 + A1: 2021 (V4.1), EN 60601-1: 2007 + A1:2013 +A2:2021 (V3.2) EN 55032:2015/A1:2020 EN55035:2017/A11:2020(ITE) IEC62368-1:2020+A11:2020 (ITE) FCC : Part 15B/ Part 18 UL: ANSI AAMI ES60601-1:2005/A1:2012/A2:2021(V3.2) cUL: CAN/CSA-C22.2 No. 60601-1:14 (IEC 60601-1: 2005+A1:2012+A2:2020,MOD) (V3.2)

MECHANICAL AND ENVIRONMENTAL

Color	White
Dimension	191(L) x 64(W) x 117(H) mm
Net Weight	0.67kg (1.47 lbs)
Packing Size	390(L) x 290(W) x 110(H) mm
Gross Weight	2kg (4.41 lbs)
Operating Temperature	0°C ~ 35°C(32°F ~ 95°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)

Features

- Compatible with short battery and long battery (XL)
- Max 100W power output, mini-din 4pin x1LED
- 10W USB port x1 (power output only)
- Battery infomation monitor remotely (ORION)
- Support wall/cart mount. Fitting all environment
- LED indicator, clearly reveal recharge/discharge status

Ordering Information

- UP-P22-A2-1010
  2-slot charger. 24V medical adaptor

OPM-P01C

6 -slot battery charger

Specifications

MAIN SPECIFICATIONS

Battery Charge Time	3.5 hrs for 85%, 4.5 hrs for 100%
Input Power	24V adaptor
Protection	Supports protection from over-voltage (input), over-current (input and output), short circuit, over-charge.
IO interface	USB TypeA x 1(Data transport only), DC-in x 1
Certification	CE, FCC

MECHANICAL AND ENVIRONMENTAL

Color	White
Dimension	304(L) x 154(W) x 41(H) mm
Net Weight	1.16kg (2.56 lbs
Packing Size	470(L) x 380(W) x 100(H) mm
Gross Weight	3kg (6.61 lbs
Operating Temperature	0°C ~ 40°C(32°F ~ 104°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)

Features

- Battery information monitor remotely (ORION)
- Capable of charging 6 batteries simultaneously
- 6 Independent LED indicators, clearly reveal recharge status
- High-speed recharge and over charge protection

Ordering Information

- UP-L62-A1-1010
  6-slot charger. 24V/250W adaptor

※ All product specifications are subject to change without notice

MEDICAL POWER PANEL PC

Onyx has developed an medical power panel PC that provides 24/7 non-stop service and offers true mobility. miniVenus features dual swappable batteries system and universal mounting slots. The battery system allow users to replace one of the batteries without turning the computer off .Also, the dual batteries design supply a very long running time and short charging time. Lightweight design provides high strength and great heat dissipation, and it has mounting slots that will fit any medical cart.

Key Features

- Intel® Core™ Ultra 200U AI CPU for edge AI application
- Dual swappable batteries provide continuous power for 24/7 non-stop operation
- Highest level of medical safety protection, EMC4.1 / Safety3.2
- Fanless design, low risk of cross-infection
- ORION, Hospital IT Management Software Package
- Standard VESA 75/100 mount fits all medical carts

AI COMPUTERS BUILT FOR HOSPITAL

With a new architecture that supports AI workloads and new tools to empower IT like never before, Intel® Core™ Ultra processors and Intel vPro® are bringing the AI Computer to hospital.

INTEL® CORE™ PLATFORM FOR BETTER PERFORMANCE

MiniVenus offer high-performance Intel® Core™ U-series processor, which can meet most requirements of medical applications.

SWAPPABLE BATTERY DESIGN

Dual swappable battery design with medical level high-capacity batteries can provide uninterruptible power for a long time.

QUIET, CLEAN & EASY TO MAINTAIN

Medical Power Panel PCs utilize a fanless heatsink on the back cover to efficiently dissipate heat generated from processor and chipset.
The fanless cooling design keeps the environment quiet, clean and lower maintenance efforts.

TPM

A Trusted Platform Module increase privacy and security utilizing hardware-encryption with files to ensure sensitive information remains safe and secure.

LONG-TERM PRODUCT LIFE SUPPORT

Onyx provides stable and long-term support to our customer. Customer could focus on business promotion and product development.

Medical Power AI Panel PC

Venus-154 Plus

Preliminary

15.6" Intel Medical AI Panel PC with Dual Battery

R 003-220254
T D220163003

Features

- Intel® Meteor Lake Core™ Ultra 125U
- Highest level of medical safety protection , EMC4.1/ Safety 3.2
- Cleanability with hospital solvents
- Hot swappable design, support 24/7 run time
- Support remote monitor/control/update (ORION compatible)
- isolated LAN / COM port

Specifications

MAIN SPECIFICATIONS

Processor	Intel® Meteor Lake Core™ Ultra 125U
System Memory	DDR5 up to 32GB
OS Support	Microsoft® Windows 11 Ubuntu 24.04 LTS IGEL (thin client solution)
Graphics	Intel® HD Graphics
Storage	M.2 SSD up to 1TB (optional)
Wireless Communication	WiFi6E + BT 5.3 (optional)
Touch	Project Capacitive Touch / Resistive Touch
Speaker	3W x2
Security	TPM 2.0

DISPLAY

Display Size	15.6"
Resolution	1920 x 1080
Max. Colors	262K
Contrast Ratio	500:1
Luminance (cd/m2)	220

I/O

USB	USB 3.0 x2, USB 2.0 x1
Video Out	DP x1
COM	Isolated COM port x1(optional)
Ethernet	Gigabit LAN x 3
DC-in	12V DC-in x1

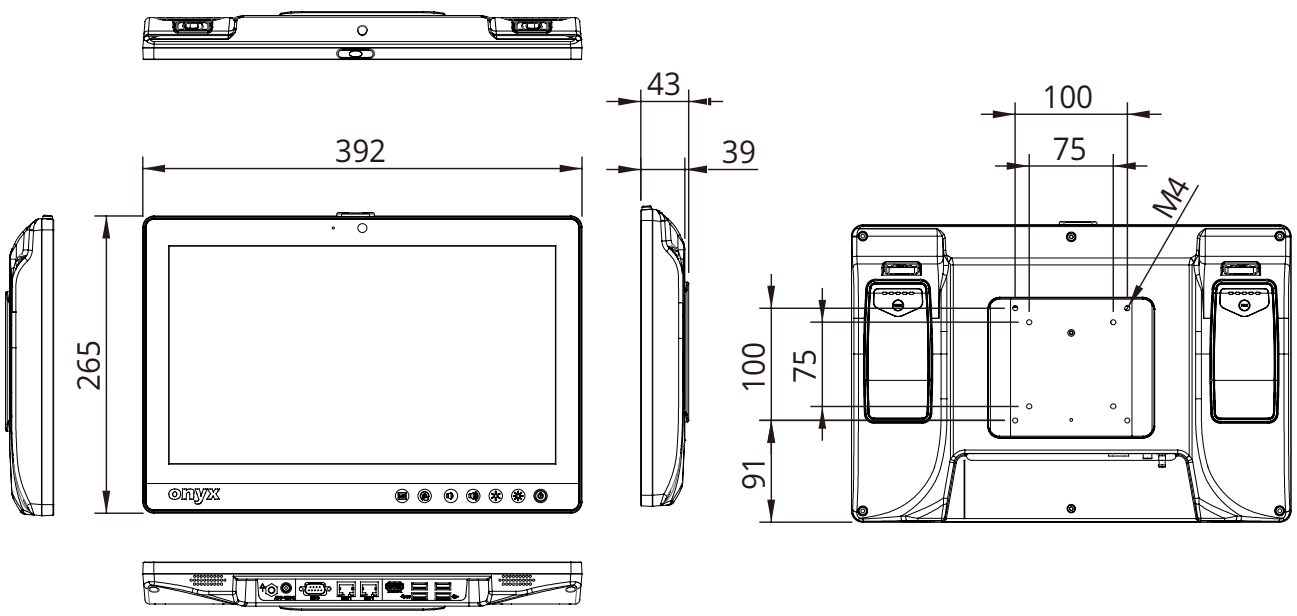
MECHANICAL AND ENVIRONMENTAL

VESA	75/100 mm VESA mount
Operating Temperature	0°C ~ 35°C(32°F ~ 95°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Storage Humidity	10%~95%@40°C, non-condensing
Degree of Protection	Front Panel: IP65 ; Rear: IPX1
Dimension	392(L) x 43(W) x 265(H) mm
Net Weight	2.7kg
Packing Size	520(L) x 190(W) x 400(H) mm
Gross Weight	4.7 Kg
Certifications	CE : EN 60601-1-2: 2015 + A1: 2021 (V4.1), EN 60601-1: 2007 + A1:2013 +A2:2021 (V3.2) EN 55032:2015/A1:2020 EN55035:2017/A11:2020(ITE) IEC62368-1:2020+A11:2020 (ITE) FCC : Part 15B/ Part 18 UL : ANSI AAMI ES60601-1:2005/A1:2012/A2:2021(V3.2) cUL : CAN/CSA-C22.2 No. 60601-1:14 (IEC 60601-1: 2005+A1:2012+A2:2020,MOD) (V3.2) TELEC :JAPAN TELEC

※ All product specifications are subject to change without notice

15.6" Intel Medical AI Panel PC with Dual Battery

Dimension / Unit: mm



Ordering Information

- VENUS-154P-P25-A1-0001
  Mobile Computer , 125U ,15.6” Fanless, PCAP . TPM . Battery x 2

Optional Accessories

- 125530060C
  Medical Adaptor , 12V/60W
- OPM-C20W-A3
  WLAN dual band module Kit.Intel 802.11a/b/g/n/ac+BT 5.
- UP-M62-A1-1010
  6-Slot Charger + 24V / 120W adaptor
- OPM-V02C-03
  5MP Camera kit with Mic

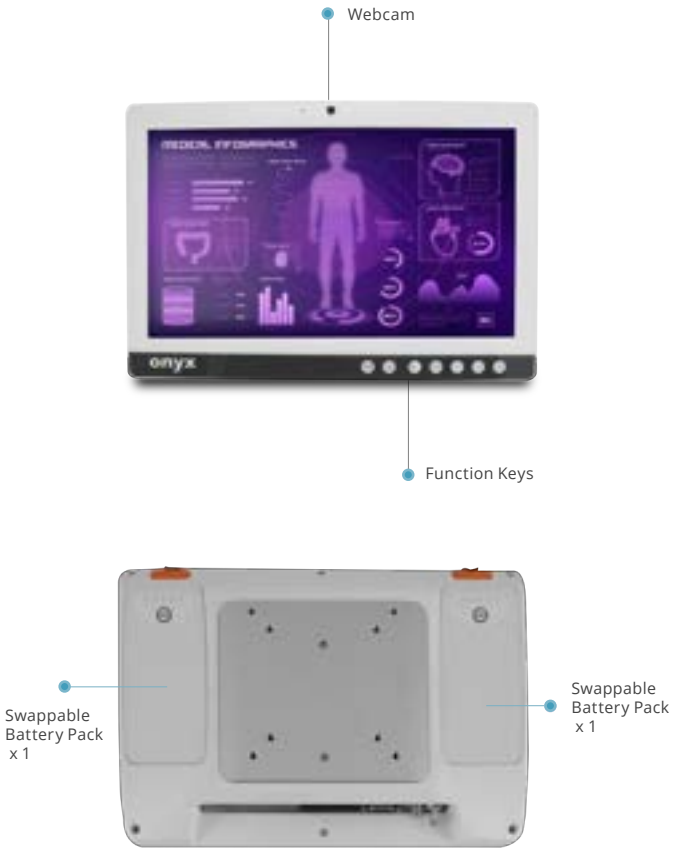
Medical Power AI Panel PC

Venus-124 Plus

Preliminary

11.6" Intel Medical AI Panel PC with Dual Battery

R 003-220254
T D220163003



Features

- Intel® Meteor Lake Core™ Ultra 125U
- Highest level of medical safety protection , EMC4.1/ Safety 3.2
- Cleanability with hospital solvents
- Hot swappable design, support 24/7 run time
- Support remote monitor/control/update (ORION compatible)
- isolated LAN / COM port

Specifications

MAIN SPECIFICATIONS

Processor	Intel® Meteor Lake Core™ Ultra 125U
System Memory	DDR5 up to 32GB
OS Support	Microsoft® Windows 11 Ubuntu 24.04 LTS IGEL (thin client solution)
Graphics	Intel® HD Graphics
Storage	M.2 SSD up to 1TB (optional)
Wireless Communication	WiFi6E + BT 5.3 (optional)
Touch	Project Capacitive Touch / Resistive Touch
Speaker	3W x2
Security	TPM 2.0

DISPLAY

Display Size	11.6”
Resolution	1366 x 768
Max. Colors	262K
Contrast Ratio	500:1
Luminance (cd/m2)	250

I/O

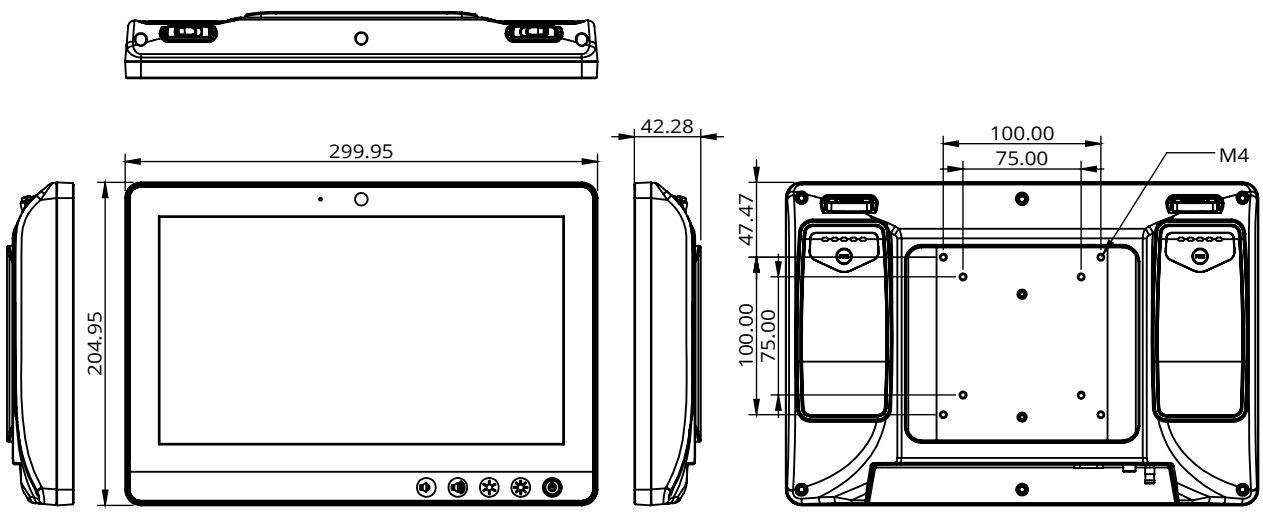
USB	USB 3.0 x2, USB 2.0 x1
Video Out	DP x1
COM	Isolated COM port x1(optional)
Ethernet	Gigabit LAN x 3
DC-in	12V DC-in x1

MECHANICAL AND ENVIRONMENTAL

VESA	75/100 mm VESA mount
Operating Temperature	0°C ~ 35°C(32°F ~ 95°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Storage Humidity	10%~95%@40°C, non-condensing
Degree of Protection	Front Panel: IP65 ; Rear: IPX1
Dimension	300(L) x 43(W) x 205(H) mm
Net Weight	1.9kg
Packing Size	420(L) x 185(W) x 345(H) mm
Gross Weight	2.6 Kg
Certifications	CE : EN 60601-1-2: 2015 + A1: 2021 (V4.1), EN 60601-1: 2007 + A1:2013 +A2:2021 (V3.2) EN 55032:2015/A1:2020 EN55035:2017/A11:2020(ITE) IEC62368-1:2020+A11:2020 (ITE) FCC : Part 15B/ Part 18 UL : ANSI AAMI ES60601-1:2005/A1:2012/A2:2021(V3.2) cUL : CAN/CSA-C22.2 No. 60601-1:14 (IEC 60601-1: 2005+A1:2012+A2:2020,MOD) (V3.2) TELEC :JAPAN TELEC

※ All product specifications are subject to change without notice

Dimension / Unit: mm



Ordering Information

- VENUS-124P-P25-A1-0001
  Mobile Computer , 125U ,11.6" Fanless, PCAP . TPM . Battery x 2

Optional Accessories

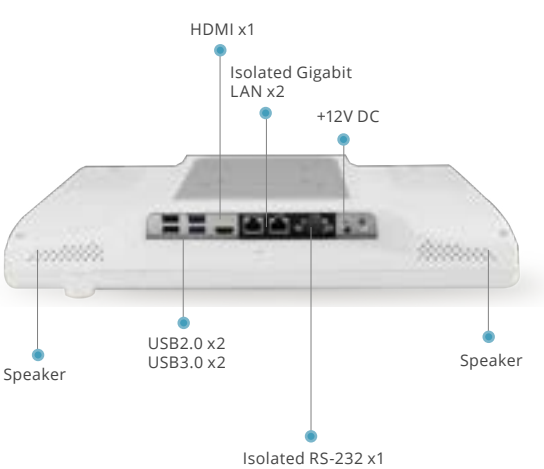
- 125530060C
  Medical Adaptor , 12V/60W
- OPM-C20W-A3
  WLAN dual band module Kit.Intel 802.11a/b/g/n/ac+BT 5.
- UP-M62-A1-1010
  6-Slot Charger + 24V / 120W adaptor
- OPM-V02C-03
  5MP Camera kit with Mic

Medical Power Panel PC

Venus-173

17" Intel i7/i5/i3 Medical Panel PC with Dual Battery

R 003-220254
T D220163003



Features

- Highest level of medical safety protection , EMC4.1/ Safety 3.2
- Cleanability with hospital solvents
- Hot swappable design, support 24/7 run time
- Intel® Skylake Dual-Core i5
- Support remote monitor/control/update (ORION compatible)
- isolated LAN / COM port

Specifications

MAIN SPECIFICATIONS

Processor	Intel® Skylake Dual-Core i5
System Memory	DDR4 up to 16GB
OS Support	Microsoft® Windows 7 (32bit/64bit) Microsoft® Windows 8.1 (64bit) Microsoft® Windows 10 (64bit) Ubuntu 18.04 LTS IGEL (thin client solution)
Graphics	Intel® HD Graphics 520
Storage	M.2 SSD up to 512GB (optional)
Wireless Communication	802.11 ac/a/b/g/n + BT 4.0 (optional)
Touch	R-TS
Speaker	3W x2
Security	TPM 2.0

DISPLAY

Display Size	17”
Resolution	1280 x 1024
Max. Colors	16.7M
Contrast Ratio	1000:1
Luminance (cd/m2)	250

I/O

USB	USB 3.0 x2, USB 2.0 x2
Video Out	HDMI 1.4 x1
COM	COM port x1
Ethernet	Gigabit LAN x 2
DC-in	12V DC-in x1

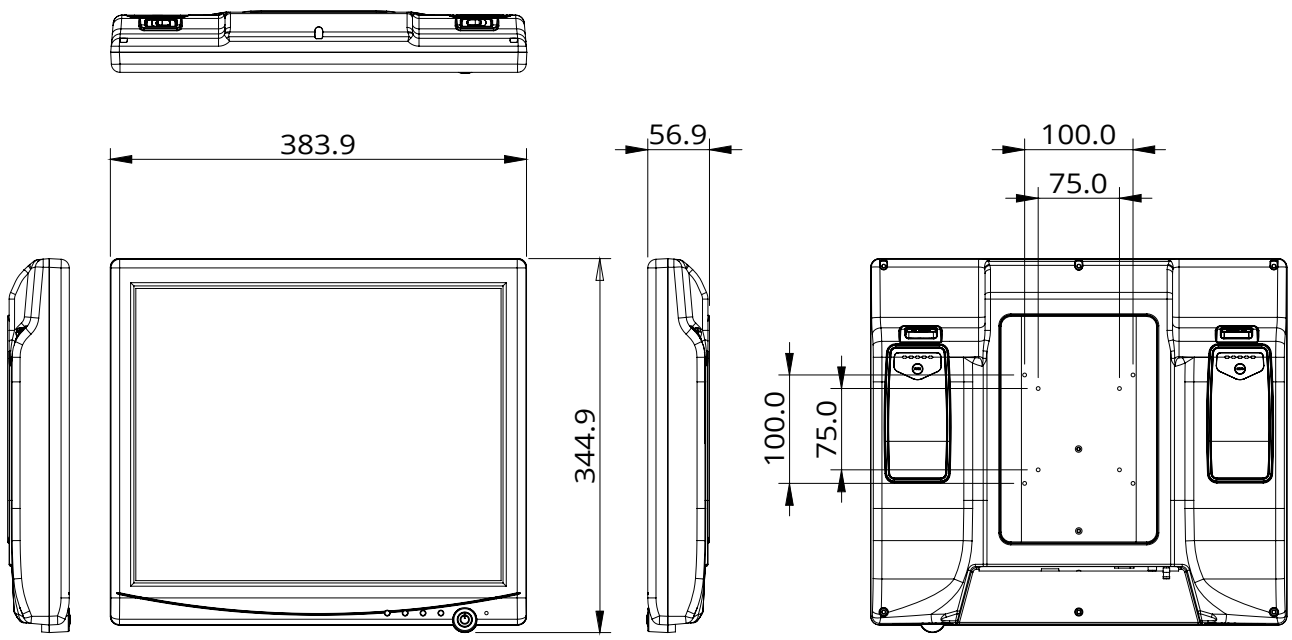
MECHANICAL AND ENVIRONMENTAL

VESA	75/100 mm VESA mount
Operating Temperature	0°C ~ 35°C(32°F ~ 95°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Storage Humidity	10%~95%@40°C, non-condensing
Degree of Protection	IPX1
Dimension	384(L) x 57(W) x 345(H) mm
Net Weight	4.5kg
Packing Size	510(L) x 200(W) x 480(H) mm
Gross Weight	5.6 Kg
Certifications	CE : EN 60601-1-2: 2015 + A1: 2021 (V4.1), EN 60601-1: 2007 + A1:2013 +A2:2021 (V3.2) EN 55032:2015/A1:2020 EN55035:2017/A11:2020(ITE) IEC62368-1:2020+A11:2020 (ITE) FCC : Part 15B/ Part 18 UL : ANSI AAMI ES60601-1:2005/A1:2012/A2:2021(V3.2) cUL : CAN/CSA-C22.2 No. 60601-1:14 (IEC 60601-1: 2005+A1:2012+A2:2020,MOD) (V3.2) TELEC :JAPAN TELEC

※ All product specifications are subject to change without notice

17" Intel i7/i5/i3 Medical Panel PC with Dual Battery

Dimension / Unit: mm



Ordering Information

- VENUS-173-R63-A1-0001
  Mobile Computer , i5 6300U ,17" Fanless, R-TS . TPM . Battery x 2

Optional Accessories

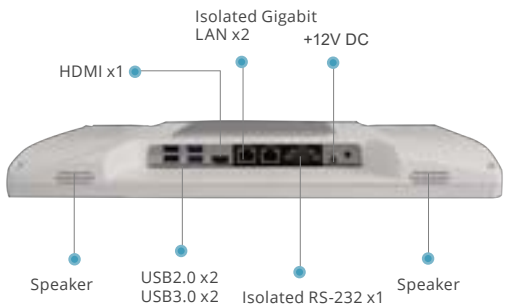
- 1757306039
  Medical Adaptor , 12V/60W
- OPM-C15W-A5
  WLAN dual band module Kit.Intel 802.11a/b/g/n/ac+BT 5
- UP-M62-A1-1010
  6-Slot Charger + 24V / 120W adaptor

Medical Power Panel PC

Venus-153

15.6" Intel i7/i5/i3 Medical Panel PC with Dual Battery

R 003-220254
T D220163003



Features

- Highest level of medical safety protection , EMC4.1/ Safety 3.2
- Cleanability with hospital solvents
- Hot swappable design, support 24/7 run time
- Intel® Skylake Dual-Core i5
- Support remote monitor/control/update (ORION compatible)
- isolated LAN / COM port

Specifications

MAIN SPECIFICATIONS

Processor	Intel® Skylake Dual-Core i5 / Celeron 3955U
System Memory	DDR4 up to 16GB
OS Support	Microsoft® Windows 7 Microsoft® Windows 8.1 Microsoft® Windows 10 Ubuntu 18.04 LTS IGEL (thin client solution)
Graphics	Intel® HD Graphics 520
Storage	M.2 SSD up to 512GB (optional)
Wireless Communication	802.11 ac/a/b/g/n + BT 4.0 (optional)
Touch	Project Capacitive Touch / Resistive Touch
Speaker	3W x2
Security	TPM 2.0

DISPLAY

Display Size	15.6"
Resolution	1920 x 1080
Max. Colors	262K
Contrast Ratio	500:1
Luminance (cd/m2)	220

I/O

USB	USB 3.0 x2, USB 2.0 x2
Video Out	HDMI x1
COM	COM port x1
Ethernet	Gigabit LAN x 2
DC-in	12V DC-in x1

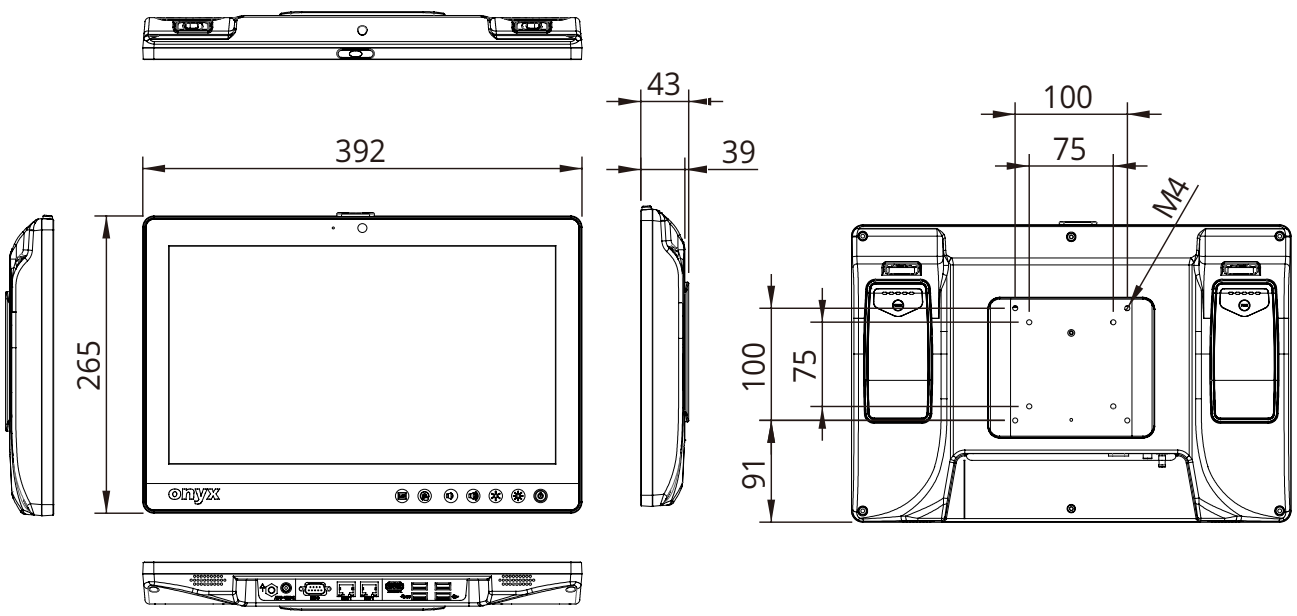
MECHANICAL AND ENVIRONMENTAL

VESA	75/100 mm VESA mount
Operating Temperature	0°C ~ 35°C(32°F ~ 95°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Storage Humidity	10%~95%@40°C, non-condensing
Degree of Protection	Front Panel: IP65 ; Rear: IPX1
Dimension	392(L) x 43(W) x 265(H) mm
Net Weight	2.7kg
Packing Size	520(L) x 190(W) x 400(H) mm
Gross Weight	4.7 Kg
Certifications	CE : EN 60601-1-2: 2015 + A1: 2021 (V4.1), EN 60601-1: 2007 + A1:2013 +A2:2021 (V3.2) EN 55032:2015/A1:2020 EN55035:2017/A11:2020(ITE) IEC62368-1:2020+A11:2020 (ITE) FCC : Part 15B/ Part 18 UL : ANSI AAMI ES60601-1:2005/A1:2012/A2:2021(V3.2) cUL : CAN/CSA-C22.2 No. 60601-1:14 (IEC 60601-1: 2005+A1:2012+A2:2020,MOD) (V3.2) TELEC :JAPAN TELEC

※ All product specifications are subject to change without notice

15.6" Intel i7/i5/i3 Medical Panel PC with Dual Battery

Dimension / Unit: mm



Ordering Information

- VENUS-153-R63-A1-0001
  Mobile Computer , i5 6300U ,15.6" Fanless, R-TS . TPM . Battery x 2
- VENUS-153-P39-A1-0001
  Mobile Computer ,Celeron 3955U ,15.6" Fanless, PCAP . TPM . Battery x 2

Optional Accessories

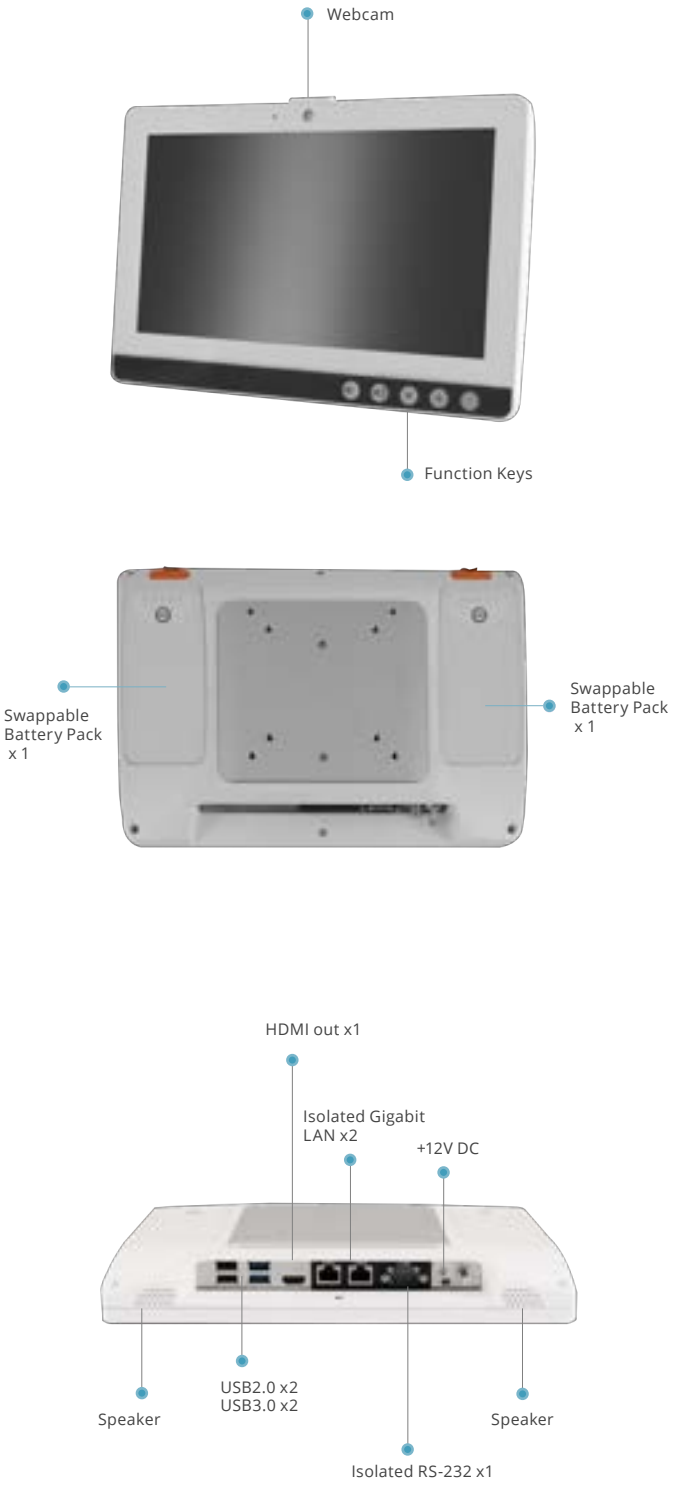
- 1757306039
  Medical Adaptor , 12V/60W
- OPM-C15W-A5
  WLAN dual band module Kit.Intel 802.11a/b/g/n/ac+BT 5.
- UP-M62-A1-1010
  6-Slot Charger + 24V / 120W adaptor
- OPM-V02C-03
  5MP Camera kit with Mic

Medical Power Panel PC

Venus-123

11.6" Intel i7/i5/i3 Medical Panel PC with Dual Battery

R 003-220254
T D220163003



Features

- Highest level of medical safety protection , EMC4.1/ Safety 3.2
- Cleanability with hospital solvents
- Hot swappable design, support 24/7 run time
- Intel® Skylake Dual-Core i5
- Support remote monitor/control/update (ORION compatible)
- isolated LAN / COM port

Specifications

MAIN SPECIFICATIONS

Processor	Intel® Skylake Dual-Core i5 /Celeron 3955U
System Memory	DDR4 up to 16GB
OS Support	Microsoft® Windows 7 Microsoft® Windows 8.1 Microsoft® Windows 10 Ubuntu 18.04 LTS IGEL (thin client solution)
Graphics	Intel® HD Graphics 520
Storage	M.2 SSD up to 512GB (optional)
Wireless Communication	802.11 ac/a/b/g/n + BT 4.0 (optional)
Touch	Project Capacitive Touch / Resistive Touch
Speaker	2W x2
Security	TPM 2.0

DISPLAY

Display Size	11.6”
Resolution	1366 x 768
Max. Colors	262K
Contrast Ratio	500:1
Luminance (cd/m2)	250

I/O

USB	USB 3.0 x2, USB 2.0 x2
Video Out	HDMI out x1
COM	COM port x1
Ethernet	Gigabit LAN x 2
DC-in	12V DC-in x1

MECHANICAL AND ENVIRONMENTAL

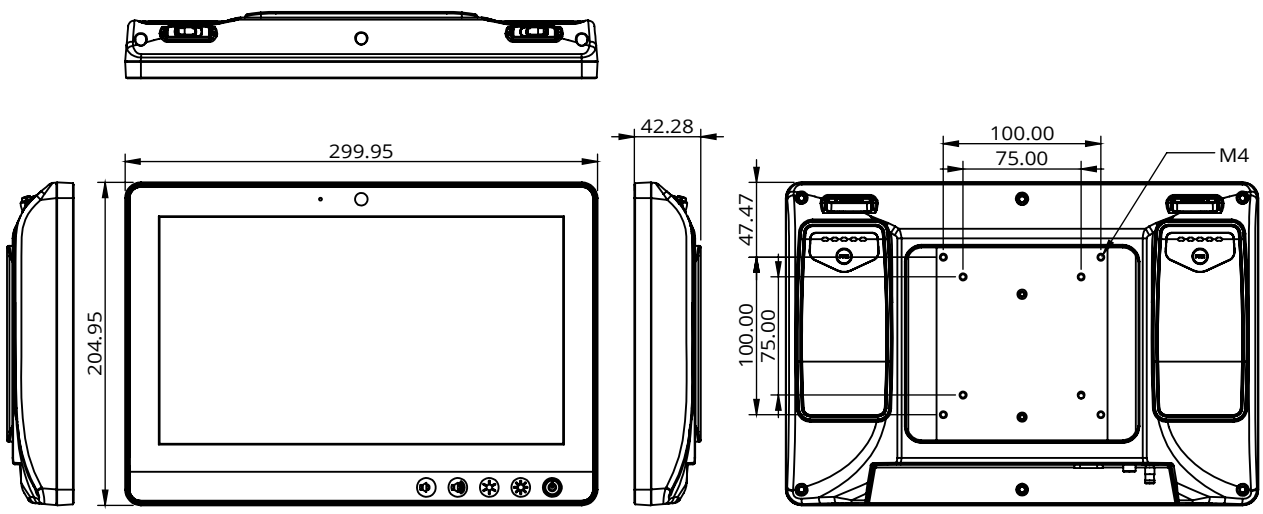
VESA	75/100 mm VESA mount
Operating Temperature	0°C ~ 35°C(32°F ~ 95°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Storage Humidity	10%~95%@40°C, non-condensing
Degree of Protection	Front Panel: IP65 ; Rear: IPX1
Dimension	300(L) x 43(W) x 205(H) mm
Net Weight	1.9kg
Packing Size	420(L) x 185(W) x 345(H) mm
Gross Weight	2.6 Kg
Certifications	CE : EN 60601-1-2: 2015 + A1: 2021 (V4.1), EN 60601-1: 2007 + A1:2013 +A2:2021 (V3.2) EN 55032:2015/A1:2020 EN55035:2017/A11:2020(ITE) IEC62368-1:2020+A11:2020 (ITE) FCC : Part 15B/ Part 18 UL : ANSI AAMI ES60601-1:2005/A1:2012/A2:2021(V3.2) cUL : CAN/CSA-C22.2 No. 60601-1:14 (IEC 60601-1: 2005+A1:2012+A2:2020,MOD) (V3.2) TELEC :JAPAN TELEC

ALL PRODUCT, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE TO IMPROVE RELIABILITY, FUNCTION OR DESIGN OR OTHERWISE.

※ All product specifications are subject to change without notice

11.6" Intel i7/i5/i3 Medical Panel PC with Dual Battery

Dimension / Unit: mm



Ordering Information

- VENUS-123-R63-A1-0001
  Mobile Computer , i5 6300U ,11.6" Fanless, R-TS . TPM . Battery x 2
- VENUS-123-P63-A1-0001
  Mobile Computer , i5 6300U ,11.6" Fanless, Pcap . TPM . Battery x 2
- VENUS-123-P39-A1-0001
  Mobile Computer ,3955U ,11.6" Fanless, Pcap . TPM . Battery x 2

Optional Accessories

- 1757306039
  Medical Adaptor , 12V/60W
- OPM-C15W-A4
  WLAN dual band module Kit.Intel 802.11a/b/g/n/ac+BT 5.
- UP-M62-A1-1010
  6-Slot Charger + 24V / 120W adaptor
- OPM-V02C-02
  5MP Camera kit with Mic

Medical Power Panel PC

12"~ 17" Mini Mobile Computer Accessory Selection

OPM-P05T

Venus-123/153/173 Battery Packs (2x)

Specifications

Battery Type	253P / 6 Cell Lithium-ion battery
Battery Voltage	7.2V
Battery Capacity	4545 mAh / 32.72Wh
Warranty	1 year
Certification	UL,CE,IEC-60950-1,IEC-62133-1

MECHANICAL AND ENVIRONMENTAL

Color	White
Dimension	127(L) x 60(w) x 21(H) mm
Net Packing Size	199(L) x 175(w) x 42(H) mm
Weight	305g/pcs
Gross Weight	0.9kg(1.98 lbs)
Operating Temperature	0°C ~ 40°C(32°F ~ 104°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)

Ordering Information

- OPM-P05T-A4
  Battery Kits (2x) 2S3P/7.2V for Venus-123/153/173

UP-M62

Venus-123/153/173 6-slots Charger

Optional Accessories

Part Number	UP-M62
Description	Battery Charger
Input Power	24V
Installations	Stationary
IO	1x Micro USB (Client) 1x DC-In
LED Indicator	Flickering Blue: Battery Charging Steady Blue: Battery Fully Charged Flickering Purple Green: Error
Dimensions	245.95 x 124.64 x 143.65mm
Weight	860g
Operating Temperature	-0°C ~ 40°C(32°F ~ 104°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)

Ordering Information

- UP-M62-A1-1010
  6-slots Charger for Venus-123/153/173

MEDICAL POWER BANK

The genius of the UPower system is in its unique, groundbreaking design. Upower gives you the capability of providing endless power with an innovative dual hot swappable battery architecture that ensures your device remains powered even while you are replacing a battery.
UPower Pro-22 include a voltage selection DC-output that allows users to select the desired voltage setting. Users can select from 12, 19, or 24 volts based on their additional power requirements.

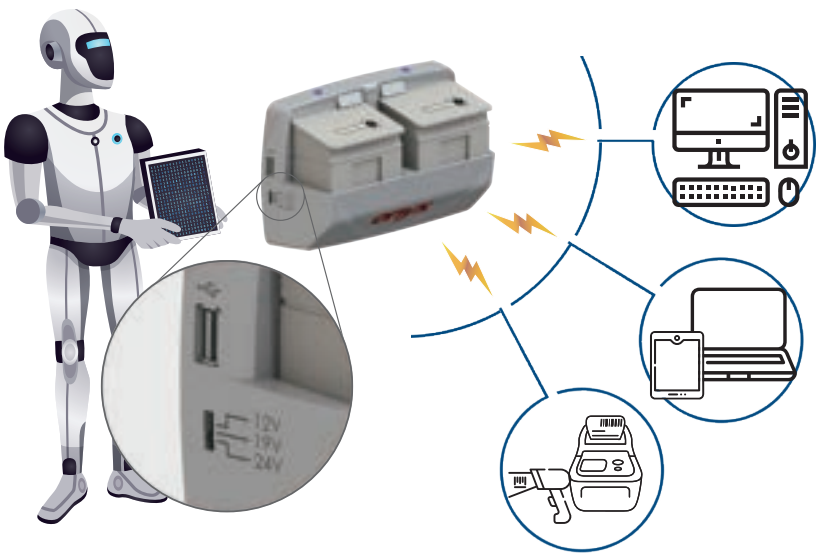
Key Features

- External DC output (2/4 slot only)
- Selected voltage (2 slot: 12/19/24V ; 4 slot 12/15/19/24V)
- Non-stop, hot swappable batteries architecture
- Software (ORION) remote monitor
- Capable of charging 2/4 batteries simultaneously.
- 2/4 Independent LED indicators, clearly reveal recharge status
- High-speed recharge and over charge protection

UPower

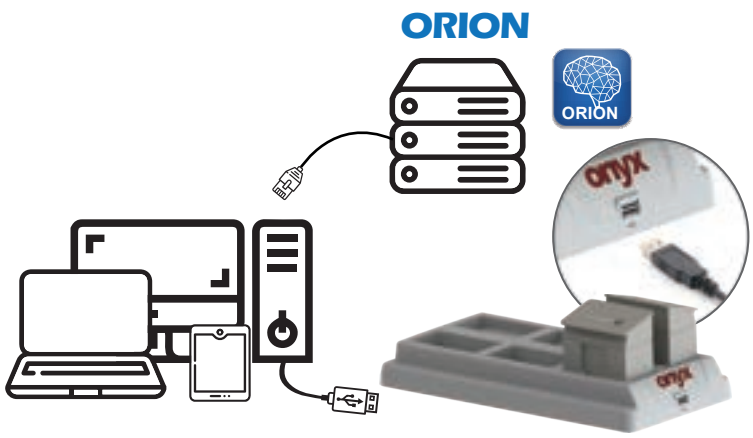
SWAPPABLE BATTERIES

Our UPower give you the capability of providing endless power with its unique swappable battery architecture. You will never again be in danger of losing power when it is most critically needed.



USER SELECTED VOLTAGE

Since electronic devices operate with varying voltage requirements, we created a multi-voltage power bank that allows users to personally select the proper voltage setting. Users can select from 12, 19, or 24 volts based on their needs.



ORION MANAGEMENT

These “smart” power banks can be managed with our new ORION device management software solution that intelligently monitors the status of all the batteries connected to the system.

VITAL SIGN APPLICATION

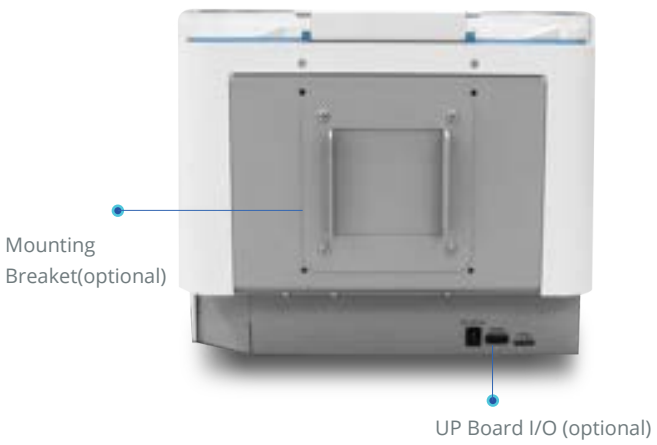
Hospital intensive care units (ICU) specialize in providing intensive care for patients suffering from severe injuries and life-threatening illness. Patients in intensive care units must be monitored constantly not only by highly trained hospital staff, but also with specialized medical equipment to make sure they remain in stable condition while recovering from serious medical emergencies, or surgery.

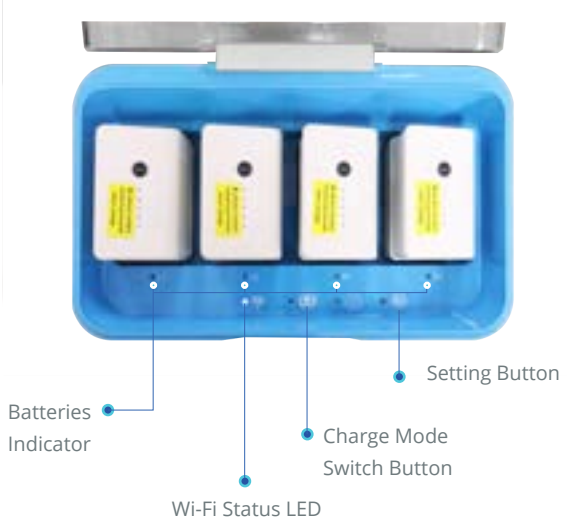
With UPower, battery powered medical devices will never again be in danger of losing power when it is most critically needed—and that’s a thought that doctors, patients, and all ICU staff can find reassuring and comforting.

Medical Power Bank

UPower Pro-43

4-Slot Hot Swappable Battery Medical Power Bank





Features

- Compatible with onyx XL battery and XXL battery (not for STD battery)
- Two mode for user
  - Normal mode : max capacity – 90W/520Wh (with XXL battery)
  - Power mode : max output – 90W/260Wh + 65W/260Wh (with XXL battery)
- 3x DC output
- Selectable voltage for output 1/2 (12V / 15V / 19V / 24V)
- Built-in wifi chip for remote monitor directly
- LED indicator, clearly reveal recharge/discharge status

Specifications

MAIN SPECIFICATIONS

	UP-43P (Power Bank)	UP-43L (Charger only)
Output Voltage	DC out x3 Selectable voltage for output 1/2 12/15/19/24V (only one voltage at the same time for one port)	N/A
Output Capacity	Normal mode : share 90W with 2 port Power mode : 90W for ch1; 65W for ch2 Medical 45W AC output (optional)	N/A
Charge Time	6hrs for XL battery; 8hrs for XXL battery (no charge when power output)	Normal Charge: 8hrs for XL battery; 10hrs for XXL battery Fast Charge: 3.5hrs for XL
Function Key	Power Mode Button : Normal(max capacity) Power mode(max output) Charge Button : Power output charger	Fast Charge Button : normal charge fast charge
Extend Function	Adaptor holder (optional) Cart mount bracket (optional) UP board (optional) 45W Medical AC inverter (optional)	Adaptor holder (optional) Cart mount bracket (optional)
Safety	Supports protection from over-voltage (input), over-current (input and output), short circuit, over-charge.	
Certification	CE, FCC, IEC60601-1	

MECHANICAL AND ENVIRONMENTAL

Architecture	ABS + PC
Color	White
Dimension	255(L) x 160(W) x 213(H) mm
Net Weight	1kg (1.47 lbs) (w/o battery)
Operating Temperature	0°C ~ 35°C(32°F ~ 95°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Storage Humidity	10%~95%@35°C, non-condensing

POWER SUPPLY SPECIFICATION

Input Voltage	100-240V AC @50-60 Hz
Output Power	24V / 250W max

Ordering Information

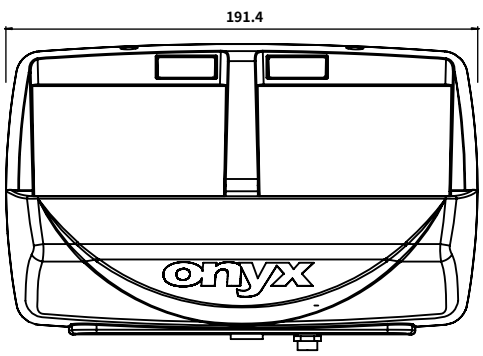
- UP-43P-A1-1010 (Power Bank)
  4-slot Power Bank.12/15/19/24V DC output.24V/250W
- UP-43L-A1-1010 (Charger only)
  4-slot Charger.24V/250W adaptor
- 9789BAXL14
  8400mAh/10.9V battery x2
- OPM-P03T-03
  12060mAh/10.8V battery x2

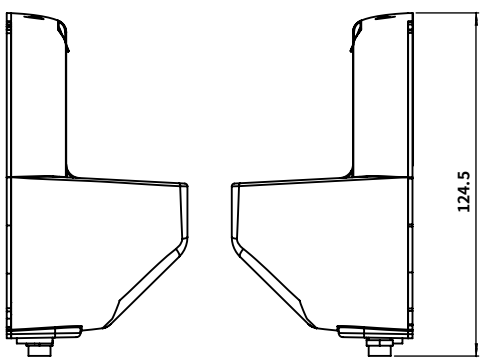
※ All product specifications are subject to change without notice

Medical Power Bank

UPower Pro-22

2-Slot Swappable Battery





Features

- Compatible with std battery , XL battery and XXL battery
- Max 90W power output, mini-din 4pin x1
- 10W USB port x1 (power output only)
- Selected voltage (12V / 19V / 24V)
- Non-stop, swappable batteries architecture
- Battery infomation monitor remotely (ORION)
- Support wall/cart mount. Fitting all environment
- LED indicator, clearly reveal recharge/discharge status

Specifications

MAIN SPECIFICATIONS

Output Voltage	12/19/24V (can be selected only one voltage)
Output Capacity	90W mini-din 4pin x1; 10W USB Type A x1 (power output only) *check user manual for more detail info
Battery Charge Time	3hrs for standard battery; 3.5hrs for XL battery; 4.5hrs for XXL battery
Input Power	24V Medical adaptor
Protection	Supports protection from over-voltage (input), over-current (input and output), short circuit, over-charge.
IO interface	Mini-din 4pin x1; USB Type A x1 (Power output only); USB micro-B x1(Data transport only); DC-in
Certification	CE: EN 60601-1-2:2015(V4.0), EN 60601-1:2006/ A1:2013(V3.1) FCC: Part 18 Class B UL: ANSI/AAMI ES60601-1:2012 (V3.1) cUL: CAN/CSA-C22.2 No. 60601-1:2014 (V3.1)

MECHANICAL AND ENVIRONMENTAL

Architecture	ABS + PC
Color	White
Dimension	191(L) x 64(W) x 117(H) mm
Net Weight	0.67kg (1.47 lbs)
Packing Size	390(L) x 290(W) x 110(H) mm
Gross Weight	2kg (4.41 lbs)
Operating Temperature	0°C ~ 35°C(32°F ~ 95°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Storage Humidity	10%~95%@35°C, non-condensing

BATTERY LED INDICATOR

Blue Lighting	Full Charge (AC mode)
Blue Flashing	Charging (AC mode)
Green Lighting	Capacity 16%~100% (Battery mode)
Orange Lighting	Capacity 8%~15% (Battery mode)
Purple Lighting	Capacity 0%~7% (Battery mode)
Green-Purple Flashing	Charging error

POWER SUPPLY SPECIFICATION

Input Voltage	100-240V AC @50-60 Hz
Output Power	24V / 6.25A

BATTERY PACK (OPTIONAL)

Battery Type	6 / 9 / 12 Cell Lithium-ion battery
Battery Capacity	5700 / 8550 /12060 mAh
Output Voltage	10.8 / 10.95 / 10.8 V

Ordering Information

- UP-P22-A3-1010
  2-slot Charger with DC output + 24V adaptor

Medical Power Bank

OPM-P02T-00

Li-ion 3S3P Battrey Pack 10.9V 8400mAh

Features

- Compatible with all Venus-series and all UPower-series
- X1.5 battery capacity increase
- Supports remote management software (ORION)
- Battery capacity indicator button
- Medical grade certified (with Venus)
- Lightweight design

Specifications

MAIN SPECIFICATIONS

Battery Type	3S3P / 9 Cell Li-ion battery
Battery Voltage	10.9V
Battery Capacity	8400mAh
Warranty	1 year
Charging time	3hrs for 90% ; 3.5hrs for 100% (with UPower Pro-series)
Safety	Supports protection from over-voltage (input and output), over-current (input and output), short circuit, over-charge, over-discharge, and battery Positive Temperature Coefficient(PTC)
Compatible	Venus all series, UPower all series
Certification	UL, CE, IEC-60950-1, IEC-62133-1

MECHANICAL AND ENVIRONMENTAL

Architecture	ABS + PC
Color	White
Dimension	122(L) x79(W) x 50 (H) mm
Net Weight	0.5kg (1.10 lbs)
Packing Size	220(L) x 180(W) x 80(H) mm
Gross Weight	1.3kg (2.87 lbs)

Ordering Information

- 9789BAXL14
  2XL Battery Kit. Li-ion 3S3P, 10.9V, 8400mAh. Volume Order (via Ocean)
- 9789BAXL14
  2XL Battery Kit. Li-ion 3S3P, 10.9V, 8400mAh. Volume Order (deliver from Taiwan with main unit only)

Medical Power Bank

OPM-P03T

Li-ion 3S4P battery pack. 10.8V. 12060mAh

Features

- 2 Years 1000 cycle warranty
- 130Wh battery capacity
- Smart LED: battery status indicator for end user
- Compatible with all Venus and Upower series

Specifications

MAIN SPECIFICATIONS

Battery Type	3S4P / 12 Cell Li-ion battery
Battery Voltage	10.8V
Battery Capacity	12060mAh
Warranty	2 year , 1000 cycle
Charging time	4.5hrs with UPower Pro-series
Safety	Supports protection from over-voltage (input and output), over-current (input and output), short circuit, over-charge, over-discharge, and battery Positive Temperature Coefficient(PTC)
Compatible	Venus all series, UPower all series
Certification	UL, CE, IEC-60950-1, IEC-62133-1

MECHANICAL AND ENVIRONMENTAL

Color	White
Dimension	137(L) x 79(W) x 48 (H) mm
Net Weight	0.7kg (1.54lbs)/pcs
Packing Size	234(L) x 180(W) x 76(H) mm
Gross Weight	1.7kg (3.75 lbs)
Operating Temperature	0°C ~ 35°C(32°F ~ 95°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Storage Humidity	10%~95%@35°C, non-condensing

Ordering Infomation

Please access to our Webshop for more detail
http://webshop-onyxhealthcare.com

ORION-BATTERY MANAGEMENT SYSTEM

ORION is a complete software solution that controls every part of your Onyx device infrastructure from the server, to the software manager and client devices.This system works the same way as the email servers we use every day to communicate. Each ORION system has a single server that connects to nursing carts (clients) that push their information to the server (similar to sending anemail). The software manager collects information on the server received from the nursing carts to perform further analysis like battery cycle count or capacity attenuation.

Key Features

- Everything Remotely
- Break Up the Whole Into Parts
- To Improve the Quality

BATTERY DIAGNOSTICS

With potentially thousands of batteries in use in a single hospital, ORION can monitor them all with diagnostic tools that alert users of any battery-related errors.

REAL-TIME REMOTE MONITORING

Real-time remote monitoring provides quick data feedback to help IT managers diagnoseand fix system problems.

GROUP SETTINGS

Device settings can be managed and saved by groups so that each departmentin a facility can have custom-managed devices.

REMOTE UPDATE / INSTALLATION

System software / firmware installation and updates can also be performed remotely saving valuable time and resources.

USER-FRIENDLY INTERFACE

ORION's user-friendly graphical interface conveniently organizes important data in a waythat lets you quickly and easily review systemwide performance.

AUTOMATED TASK SCHEDULING

With automated task scheduling, ORION takes care of less important repetitive tasks so you can focus on more important priorities.

CUSTOMIZABLE DASHBOARD

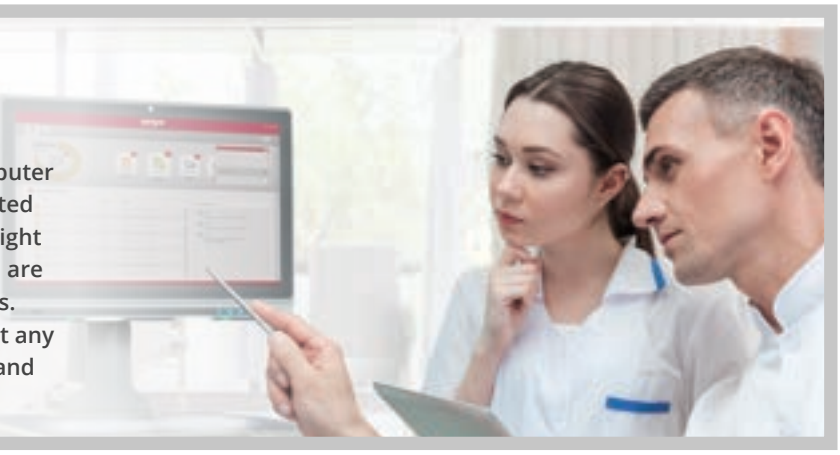
All IT managers have their own preferences for how to perform their duties.
ORION's customizable dashboard gives IT managers the freedom to set operational parameters to their own liking to maximize efficiency.

E-MAIL REPORTING

ORION includes an integrated e-mail client for regularly scheduled event reporting.

SUCCESSFUL STORY – NHS IN UK

The Trust went live with their EPR called e-Care on 30th April 2016. Parity Medical were the chosen supplier of mobile computer carts. The Parity Infinity carts were selected after trialling as they are light weight, height adjustable, ergonomic, easy to clean and are powered 24/7 by hot swappable batteries.
It was a big project that went live without any hiccups. Phase 2 has now been enabled and will be phased in throughout the year.



ORION Remote

Hospital IT Management Software Package

MAIN SPECIFICATIONS

Component	ORION Server + ORION Manager + ORION Clients
Description	To get the permission to manage ORION Client remotely

CORE FUNCTION

Battery Diagnostics	✓
Friendly UI	✓
Remote Backup/Recovery	✓
Remote Update/Installation	✓
E-Mail Reporting	✓
Automated Task Scheduling	✓
Group Settings	✓
Real-time Remote Monitoring	✓
Customizable Dashboard	✓

ORDERING INFORMATION

ORION-A01-V2	ORION Air permission (per client)

HARDWARE REQUIREMENT

ORION SERVER

CPU	1.6GHz or faster
RAM	1GB
Storage	20MB per client for one month record 10G for 500 clients for one month record

ORION MANAGER

CPU	1.6GHz or faster
RAM	1GB
Display	DirectX 9-capable video card running at 1024 x 768 or higher display resolution
OS	Windows 7, Windows 8.1, Windows 10
Other	Net Framework 4.0 above

MOBILE MEDICAL TABLET

Onyx Mobile Medical Assistant tablets are especially designed to streamline data exchange for EMS and hospitals. With rugged features, high brightness LCD and high performance CPU, these tablets can be operated in harsh environments while delivering superb performance and a crystal clear image.
Onyx Mobile Medical Assistant tablets help eliminate medical paperwork by automating EMS and hospital workflows allowing paramedics and nurses to instantly access and document patient records.

Key Features

- Effortless data collection and documentation with significant error reduction
- Seamless integration of medical devices
- Medical & ambulance dual certifications
- Continuous power for 24/7 non-stop operation
- Rugged design for outdoor and indoor use
- Reduce hospital and ambulance service TOC

LIGHT WEIGHT & COMPACT SIZE

The weight of MD101 is less than 1kg, and the compact size design let user can easy to carry the device to anywhere they want.

10 POINTS PCT TOUCH SCREEN

Multi-touch has been implemented in several different ways. MD series provides 10 points touch functions to the user to do any control missions.

WINDOWS OS SUPPORT

MD series is supported by Windows OS which has good compatibility to the other medical device. The same windows user interface let user can easy to make use of the device.

WI-FI AND BLUETOOTH 5.0 SUPPORT

MD series has designed Wi-Fi 802.11b/g/n/AC and 2.4GHz/ BT 5.0 inside.
It help user easy to receive and deliver the medical data to other devices.

LONG TERM PRODUCT LIFE TIME SUPPORT

ONYX provides stable and long term support to our customers. Customers could focus on business promotion and product development.

Mobile Medical Tablet

MD116E

12” Fanless Intel Pentium Medical Tablet

Features

- Intel® ELKhart Lake Pentium N6415
- Dual hot-swappable batteries for 24/7 operation
- Dual smart card readers for multiple-care workflow
- Standard USB 3.0 Type-A / Type-C (Data & External Display)
- RJ45 Ethernet for easy connection to medical devices
- IP54 certified & 3 feet drop resistant
- ORION client compatible
- Instant vehicle docking system
- Automotive Directive and EN1789 compliance for ambulances/medical transportation vehicles

Specifications

MAIN SPECIFICATIONS

Processor	Intel® ELKhart Lake Pentium N6415 3.0 GHZ
System Memory	DDR4 SO-DIMM x1, 4 GB (Up to 16 GB)
OS Support	Microsoft ® Windows 10, Windows 11 IOT / Linux ubuntu 20.04 LTS
Storage	M.2 Interface x1, SATA/NVMe 64 GB (up to 1TB)
Wireless Communication	802.11 a/b/g/n /AC/AX + BT5.2 (Optional)
Camera	2 MP (Front) / 8 MP (Rear)
Touchscreen	Projected Capacitive Touchscreen,w/Gorilla Glass
3-AXIS G-Sensor	Yes
Ambient Light Sensor	Yes
Wi-Fi	Dual Wi-Fi 6 slots
LTE+GPS	Sierra EM7421 x2 (Optional) [5G Sierra EM 9291 Supported]
Function Keys	x2
LED Indicators	x2
Speaker	2W x2
Internal Mic	x1
Power Requirement	DC 12V
Security	Smart Card Reader x2 , RFID x1 (optional)

DISPLAY

Display Size	11.6” 16:9 Widescreen LED Panel
Resolution	FHD 1920 x 1080
Max. Colors	16.7M
Contrast Ratio	800:1
Luminance (cd/m2)	300nits , 600nits

I/O

USB	USB 3.0 (Type-A) x1, USB 3.0 (Type-C with External Display) x1
Ethernet	Gigabit LAN x1
DC-In	DC-in Jack x1
Docking	Docking Connector x1

BATTERY PACK

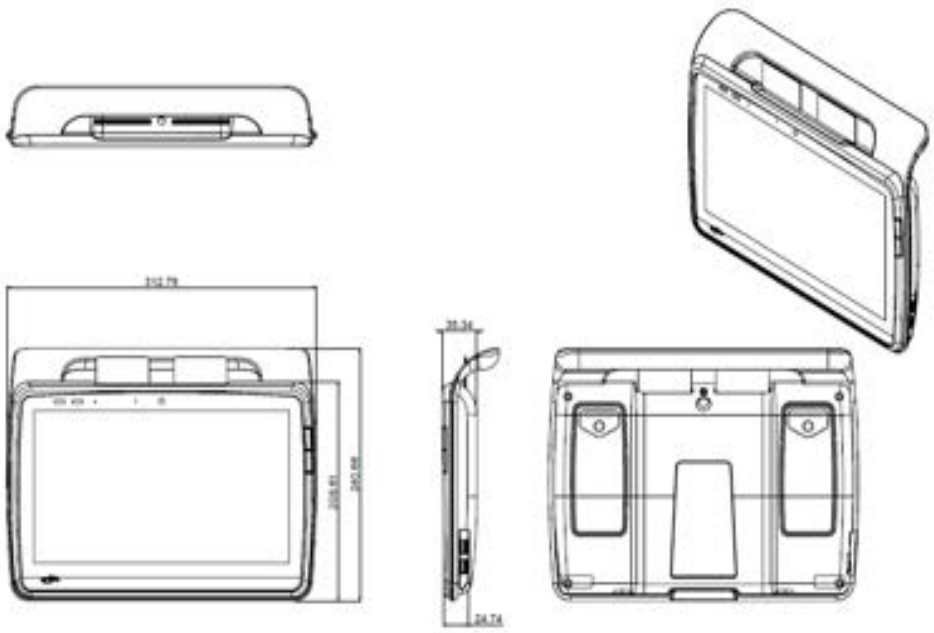
Battery Type	Li-ion
Battery Capacity	4545 mAh (32.72Wh) x2
Battery Run Time	Approx. 8 hrs

MECHANICAL AND ENVIRONMENTAL

VESA	VESA 75 via docking station
Degree of Protection	IP54
Operating Temperature	0° C ~ 40° C (32° F ~104° F)
Storage Temperature	-20°C ~ 60°C (-4°F ~ 140°F)
Storage Humidity	10%~95%@40°C, non-condensing
Dimensions	312 (W) x 239 (H) x 37 (D) mm
Packing Size	400 x 345 x160 mm
Gross Weight	3 kg (6.6 lb)
Net Weight	Approx. 1.45~1.8 kg (3.2 lb~3.97 lb)
Certifications	CE : EN 60601-1-2: 2015 + A1: 2021 (V4.1), EN 60601-1: 2007 + A1:2013 +A2:2021 (V3.2) EN 55032:2015/A1:2020 EN55035:2017/A11:2020(ITE) IEC62368-1:2020+A11:2020 (ITE) EN 300 328: V2.2.2,EN 300 440 V2.1.1 EN 301 893 V2.1.1,EN 303 687 V1.1.1 FCC : Part 15B/ Part 18 / Part 15C /Part 15E UL : ANSI AAMI ES60601-1:2005/A1:2012/A2:2021(V3.2) cUL : CAN/CSA-C22.2 No. 60601-1:14 (IEC 60601-1: 2005+A1:2012+A2:2020,MOD) (V3.2)

※ All product specifications are subject to change without notice

Dimensions / Unit: mm



Ordering Information

- ONYX-MD116E-P1-A1-0001
  Tablet.N6415.11.6”.FHD.300nits.C-TS(G).SCR.F/R-Camera.RFID.WiFi/BT.Battery(x2)
- ONYX-MD116E-P1-A1-0002
  Tablet.N6415.11.6”.FHD.600nits.C-TS(G).SCR.F/R-Camera.RFID.WiFi/BT.Battery(x2)

Optional Accessories

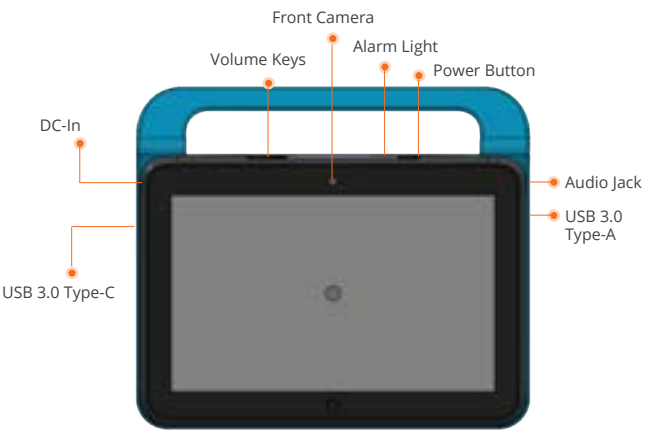
- 125530120D
  Medical Adaptor.AC/DC.100-240V.12V/ 10A,120W.

Mobile Medical Tablet

MD102N

10.1” Rugged Medical Tablet

Launch: Q2



Features

- Intel® Alder Lake processor
- Slim & lightweight design for clinical mobility
- Long battery life for intensive care services
- Standard USB Type-A for easy connection to medical devices
- IP54 certified & 1.5 Meter drop resistant
- ORION client compatible
- VESA mounting via adapter
- EN60601-1 Certified
- Ergonomic design adapted for portable and cart use
- Windows 10/Windows 11 IOT

Specifications

MAIN SPECIFICATIONS

Processor	Intel® Alder Lake N200 1.80 GHz
System Memory	8GB
OS Support	Microsoft® Windows 10 IOT LTSB /Win 11 IOT/Linux Ubuntu
Storage	NVMe 256GB
Wireless Communication	802.11 ax/a/b/g/n +BT 5.2
Camera	2 MP (Front) / (8MP) MP (Rear)
Touchscreen	Projected Capacitive Touchscreen , w/Gorilla Glass 3
Accelerometer Sensor	LSM6DSO
Ambient Light Sensor	LSM6DSO
Power Button	x1
Volume Keys	x2
Speakers	2W x2 SPL 98±3dB
Internal Mic	x1
Alarm Light	x1 (Optional)
Battery Light	x1
Power Requirement	DC 15 V, (60W)

DISPLAY

Display Size	10.1” 16:10 Wide Screen LED Panel
Resolution	1920 x 1200
Max. Colors	16.7 M
Contrast Ratio	800:1
Luminance (cd/m2)	380 nits

I/O

USB	USB 3.0 (Type-A) x 1USB 3.0 (Type-C) x 1 (Host + Display)
Audio Out / Mic In	3.5 mm Combo Audio Jack x1
Video Out	Via USB 3.0 Type-C
DC-In	x1

BATTERY PACK

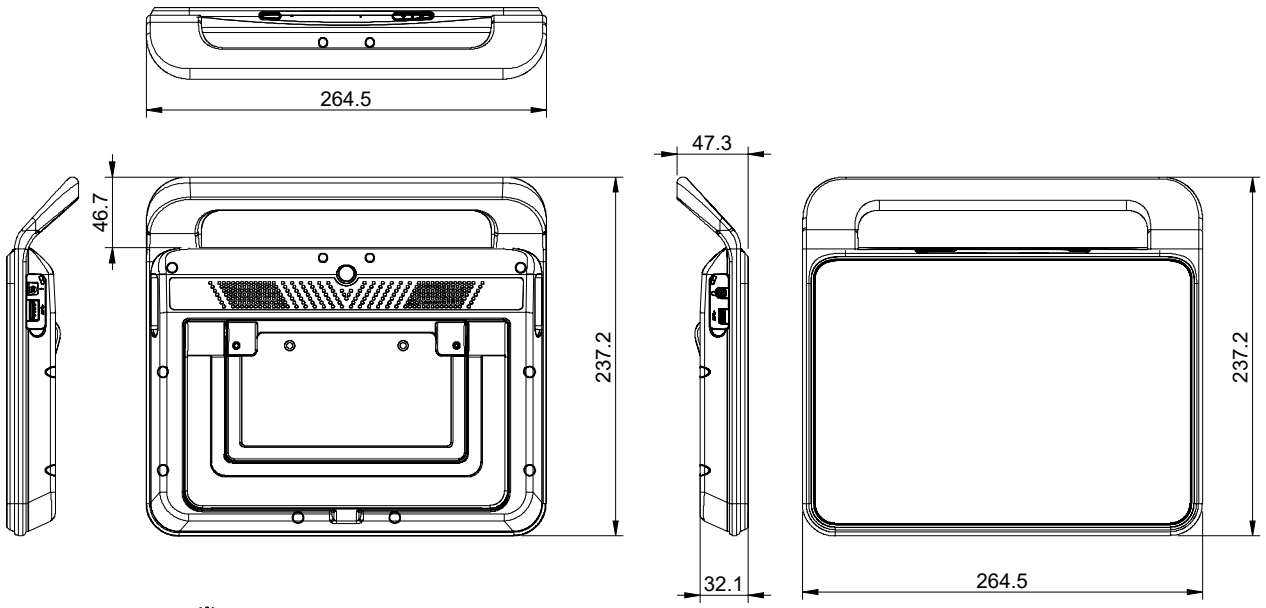
Battery Type	Li-ion
Battery Capacity	9060mAh (65.2 Wh)
Battery Run Time	Approx. 8 hrs

MECHANICAL AND ENVIRONMENTAL

VESA	VESA 75 via Rear cover Bracket (With/Without)2 Design
Degree of Protection	IP54
Operating Temperature	0° C ~ 40° C (32° F ~ 104° F)
Storage Temperature	-20° C ~ 60° C (-4° F ~ 140° F)
Storage Humidity	10%~95%@40°C, non-condensing
Dimension	TBD
Packing Size	TBD
Gross Weight	TBD
Net Weight	Approx. 1.2 kg
Certifications	CE: EN 60601-1-2:2020(V4.1), EN 60601- 1:2006/A1:2020(V3.2) EN 60601- 1:2006/ A1:2020(V3.2) FCC: Part 18 Class B, Part 15 C/E UL : ANSI AAMI ES60601-1:2005/A1:2012/A2:2021(V3.2) cUL : CAN/CSA-C22.2 No. 60601-1:14 (IEC 60601-1: 2005+A1:2012+A2:2020,MOD) (V3.2)

※ All product specifications are subject to change without notice

Dimensions / Unit: mm



Ordering Information

- TBD

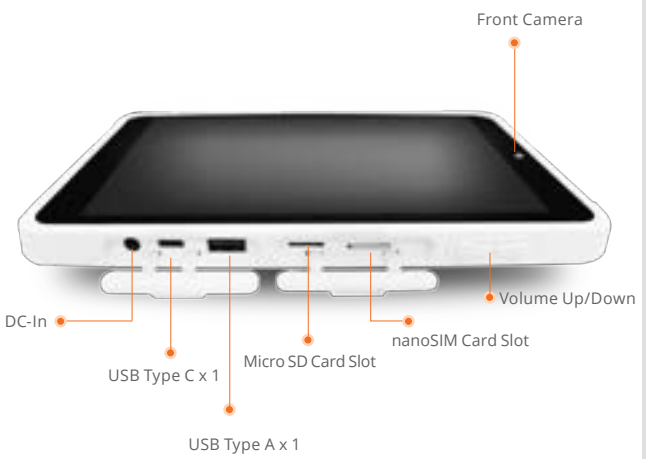
Optional Accessories

- TBD

Mobile Medical Tablet

MPAD-800 A1

8” Medical Tablet



Features

- ARM® Cortex® Quad-Core up to 1.8 GHz
- Android 10
- Water/Drop Proof & Fanless Operation
- Build-in Type A USB Port and Type C USB Port
- Built-in Cellular Communication
- Shift Ready Battery Life
- Medical Grade Device Safety

Specifications

MAIN SPECIFICATIONS

Processor	ARM® Cortex® Quad-Core up to 1.8 GHz
System Memory	2GB SDRAM
OS Support	Android 10
LCD Touch Display	8” (1280 x 800) TFT LCD with 2-point P-cap (Latex Glove Operable)
Communication	WiFi a/b/g/n/ac + Bluetooth 4.0
I/O Port	USB Type C x 1 or Micro USB x1 ,USB Type A x 1, Volume Up/Down , 3.5mm Stereo Headphone Jack x1, DC-In Jack x 1 or USB Type C Charging x1 or Pogo pin Charging , Built-In Speaker & Microphone, nanoSIM Card Slot,Micro SD Card Slot
Storage	16 GB eMMC Flash
Camera	Front 8MP , Rear 8MP with Flash LED
Sensor	Built-in Light Sensor, Built-in G-Sensor , Built-in Vibration Motor

MECHANICAL AND ENVIRONMENTAL

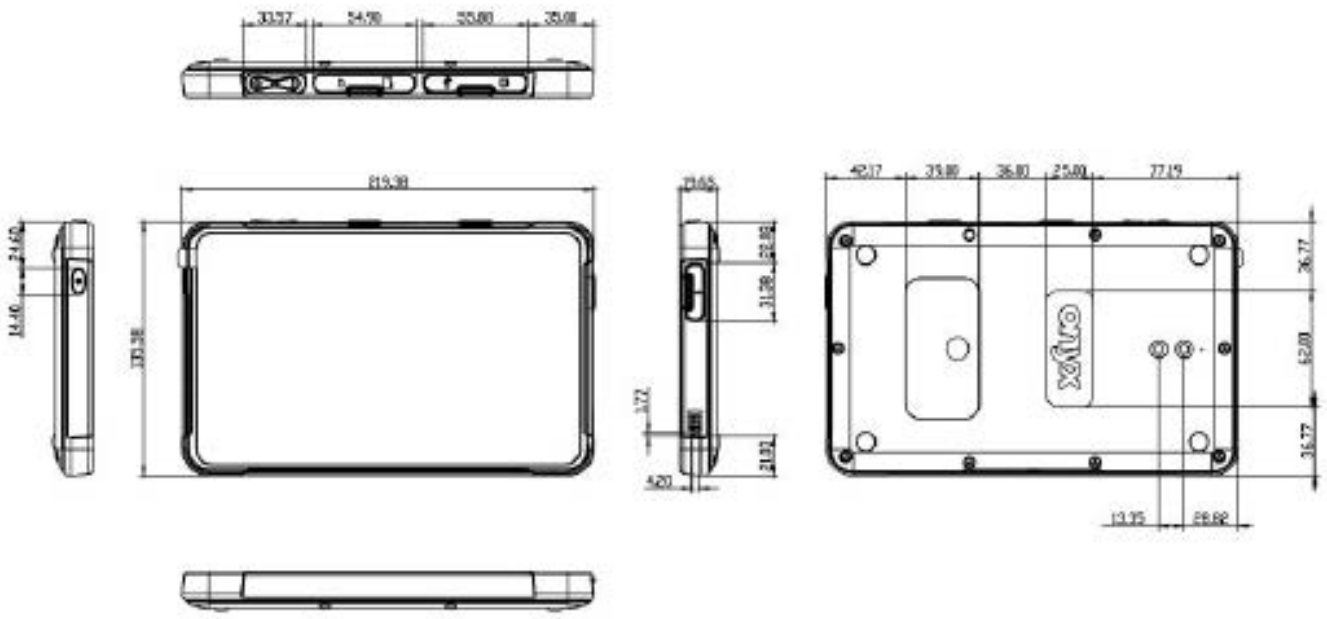
Color	White
Dimension(W x H x D)	136.6 x 219 x 21 mm
Packing Size	280 x 250 x 80 mm
Gross Weight	1.8kg (3.96 lb)
Net Weight	0.67 Kg (1.48lb)
Operating Temperature	0°C ~ 40°C
Storage Temperature	-20°C ~ 60°C
Operating Humidity	10 ~ 75%
Water / Drop Proof	IP54 / 76cm
Certifications	IEC/EN60601-1-2 (v4.0) IEC EN60601-1 (v3.1) UL ES60601-1 (v3.1) cUL : IEC 60601-1(v3.1) FCC : Part 18 TELEC : JAPAN TELEC

POWER SUPPLY

AC/DC Adapter	AC Power Input: 100 ~ 240V , 50~60Hz,36W , Output:12V , 3A
Battery	Lithium-Polymer High Capacity Battery (8 Hours)

※ All product specifications are subject to change without notice

Dimensions / Unit: mm



Ordering Information

- MPAD-800-C01-1020
  Tablet . RK3288. 2G-16G. WiFi.BT.Android 10

Mobile Medical Tablet

MD116 Series Accessory Selection

Vehicle Dock

OPM-T016-A3

Specifications

Description	Vehicle Dock
Input Power	12V
Installations	VESA 75
IO	2x USB 2.0 Type-A 1x RJ45 1x Line Out 1x Phoenix Port 1x DC In Jack
LED Indicator	N/A
Dimensions	236.89 x 293.03 x 88.22mm
Weight	800g
Operating Temperature	0°C ~ 40°C(32°F ~ 104°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)

Optional Accessories

- OPM-T016-A3
  MD116 Vehicle Docking Plus . USB x2 /LAN / Line out

Office Dock

OPM-T022-A1

Specifications

Part Number	OPM-T022-A1
Description	Office Dock
Input Power	12V
Installations	Stationary
IO	2x USB 2.0 Type-A 1x RJ45 1x RS-232 1x DC-In Video out (optional) 1x HDMI , 1x DP
LED Indicator	Steady Green: Connection LED Off: Disconnection
Dimensions	354 x 117 x 78.2mm
Weight	1060g
Operating Temperature	0°C ~ 35°C(32°F ~ 95°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)

Optional Accessories

- OPM-T022-A1
  MD116 Office Dock
- OPM-T022-A2
  MD116 office Dock HDMI
- OPM-T022-A3
  MD116 office Dock DP

Mobile Medical Tablet

MD116 Series Accessory Selection

VESA Cradle

OPM-T021-A1

Specifications

Description	VESA Cradle
Input Power	N/A
Installations	VESA 75
IO	N/A
LED Indicator	N/A
Dimensions	206.69 x 196.64 x 87.8mm
Weight	395g
Operating Temperature	0°C ~ 40°C(32°F ~ 104°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)

Optional Accessories

- OPM-T021-A1
  MD116 VESA Cradle

Mobile Medical Tablet

MD116 Series Accessory Selection

Battery Pack x2

OPM-P05T

Specifications

Battery Type	253P / 6 Cell Lithium-ion battery
Battery Voltage	7.2V
Battery Capacity	4545 mAh / 32.72Wh
Warranty	1 year
Certification	UL,CE,IEC-60950-1,IEC-62133-1

MECHANICAL AND ENVIRONMENTAL

Color	Black
Dimension	127(L) x 60(w) x 21(H) mm
Net Packing Size	199(L) x 175(w) x 42(H) mm
Weight	305g/pcs
Gross Weight	0.9kg(1.98 lbs)
Operating Temperature	0°C ~ 40°C(32°F ~ 104°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)

Ordering Information

- OPM-P05T-A2
  2 Battery Kits.2S3P.7.2V.Onyx MD116.Volume Package

Battery Charger

UP-M62

Specifications

Description	Battery Charger
Input Power	24V
Installations	Stationary
IO	1x Micro USB (Client) 1x DC-In
LED Indicator	Flickering Blue: Battery Charging Steady Blue: Battery Fully Charged Flickering Purple Green: Error
Dimensions	245.95 x 124.64 x 143.65mm
Weight	860g
Operating Temperature	0°C ~ 35°C(32°F ~ 95°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)

Optional Accessories

- UP-M62-A1-1010
  MD116 6-slots Charger

Mobile Medical Tablet

MD116 Series Accessory Selection

Desk Stand

OPM-H26S

Specifications

Description	Desk Stand
Color	Black
Installations	MD116 / MD116i Screw hole
IO	N/A
Dimensions	250x 153 x 126.2 mm
Weight	500g
Minimum Package Size	610 x 240 x 330 mm (Incl.5pcs)
Minimum Package Weight	3 kg (Incl.5pcs)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)

Optional Accessories

- OPM-H26S-A1
  MD116 Desk Stand

MEDICAL PC FOR DIGITAL OR

In a digital operating room, important information and images such as patient vital signs, surgical images, and xray images need to be displayed all at once. With the latest technology, ACCEL digital OR solution offers AV over IP video solution allowing user to use one copper or one fiber to transmit video and audio signal, medical recorder with Intel Xeon / Core i7 quad core processor to do recording in order to increase work efficiency and less cabling in the OR.

Digital OR Solution

- SDVOE AV Over IP solution
- Near Zero Latency
- Less cabling in OR
- Medical Certified Digital OR Solution

FEATURES FOR ACCEL-VM500 MEDICAL RECORDER

MULTIPLE VIDEO INPUT INTERFACE FOR FULL HD OR 4K VIDEO RECORDING

Onyx Medical recorder support Full HD recording with different legacy video input interface including YPbPR, CVBS, DVI or S-Video and 4K Video recording with HDMI input

MEDICAL CERTIFICATION

Onyx recording system certifies with UL60601-1, IEC60601-1 and FCC Part 18

SDK PROVIDE

Onyx can provide SDK for the system integrator to do the integration with existing infrastructure

MULTIPLE STORAGE SUPPORT

Support 2 x 2.5" HDD or SSD and 1 x M.2 NVMe SSD.

ONYX VERSION RECORDING SOFTWARE (ACCEL-RM)

Onyx also can provide Onyx version recording software including the features below

- Patient data entry and archiving
- Video playback, copy and preview
- Video timeline tag and editing
- Snapshot of the video as a picture to save
- When two or more Capture Cards are detected, it will automatically switch to Dual Mode

FEATURES FOR VM100/200/VS100

IP NETWORK WITH ONE CABLE SOLUTION

Onyx AV over IP video solution allows user to use one copper or one fiber to transmit video and audio signal, therefore, user use less cable for the installation of operating room

ZERO LATENCY

Near zero Sub-millisecond latency provides better accuracy and increase safety during the surgery

MEDICAL CERTIFICATION AND UNCOMPRESSED TRANSMISSION

Onyx Medical AV over IP video solution certifies with IEC60601 and FCC Part 18

UNCOMPRESSED TRANSMISSION

Onyx AV over IP video solution supports 4K video uncompressed transmission (4:4:4)

OPEN API AND SDK FOR EASY INTEGRATION WITH EXISTING INFRASTRUCTURE

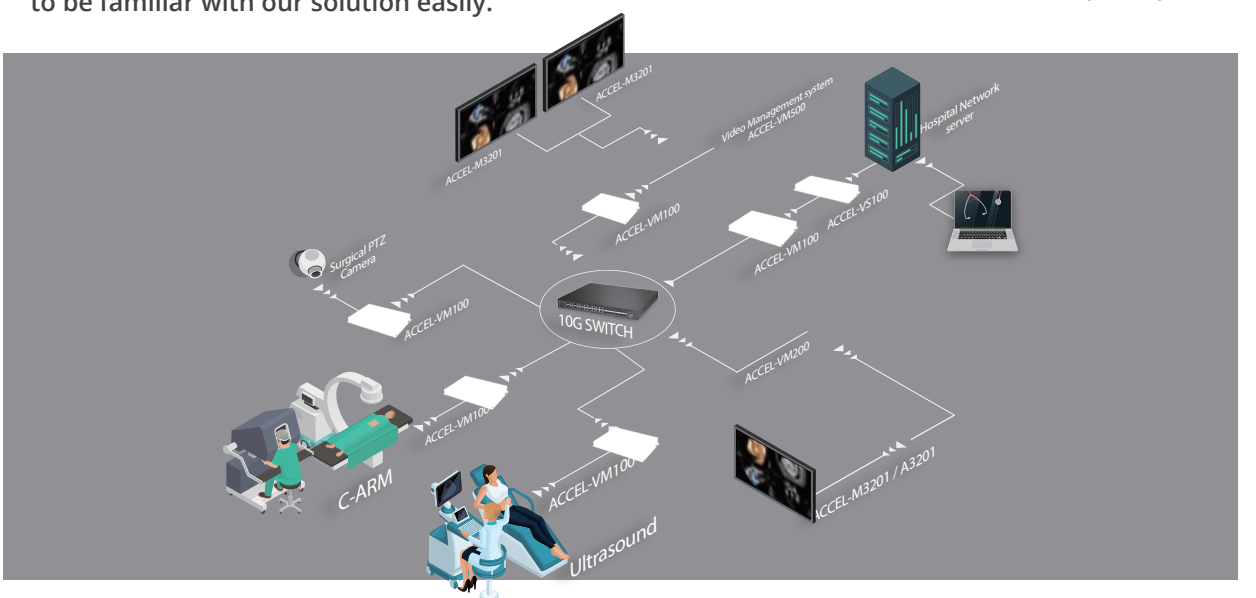
Onyx can provide API or SDK for the system integrator to do the integration with existing infrastructure and also can provide standard UI for the system integrator to be familiar with our solution easily.

ACCEL DIGITAL OR SOFTWARE SOLUTION FOR SWITCHING, ROUTING, RECORDING AND STREAMING

Onyx Software solution provides the function of video switching, routing, recording and streaming

RECORDING AND 4K VIDEO STREAMING

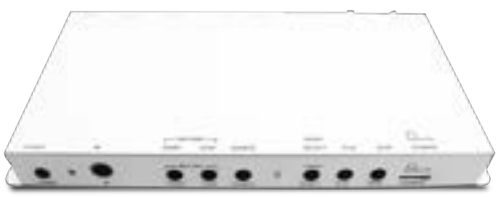
Onyx can provide API or SDK for the system integrator to do the integration with existing infrastructure and also can provide standard UI for the system integrator to be familiar with our solution easily.



Medical PC & Monitor for Digital OR

ACCEL-VS100

HDMI/VGA Live Video Streamer with Recording



Features

- Audio embedding and mixing support with the analog stereo audio input
- Integrated support for live steaming to Facebook, Youtube or Twitch Channel
- On screen countdown timer and test overlay are supported
- Generate 4 simultaneous streams from the same video source for easy system integration at multiple bandwidth targets
- Control via front panel buttons WebGUI, Telnet, RS232 and IR

Specifications

INTERFACES

Input Port	1 x HDMI (Type-A) 1 x VGA (HD-15) 1 x Unbalanced Stereo (3.5mm)
Output Port	1 x HDMI (Type-A)
Pass-through Port	1 x LAN (RJ-45) 1 x RS-232 (DE-9) 1 x MicroSD slot
Service Port	1 x USB (Type-A)

VIDEO

HDMI Compliance	2.0
HDCP Compliance	2.2
Input Signal Types	4K@60 8bit YUV 4:4:4
Output Signal Type	4K@60 8bit YUV 4:4:4

RESOLUTIONS

Maximum Input	HDMI - 4096×2160p@60, 2560×1600p@60RB VGA - 1920×1200p@60RB
Maximum Output	HDMI - 4096×2160p@60, 2560×1600p@60RB H.264 Stream - 1080p@60

AUDIO

HDMI	Unbalanced Stereo, 2CH LPCM

POWER

Power Supply	5V/2.6A
Power Consumption	9.57W (Full load)

ENCLOSURE

Chassis Material	Metal (Steel)
Chassis Color	White
Dimensions (W×H×D)	231.5 × 25 ×108 mm
Weight	668g
Packing Size	280 x 180 x 71 mm
Certification	CE: EN 60601-1-2:2015(V4.0), EN 60601-1:2006/A1:2013/A12:2014 (V3.1) FCC: Part 18 Class A

Order information

- ACCEL-VS100-N1-A1-0001
  HDMI/VGA Live Video Streamer with Recording

Medical PC & Monitor for Digital OR

ACCEL-VM100

HDMI/DP over IP Transceiver with USB Extension for Digital OR

Features

- Can be configured to function as either a Transmitter or a Receiver
- IP switchable with minimum latency requires optional control center or control software
- Extension up to 30km (maximum distance depends on the SFP+module and type of fiber used)
- Supports the use of an external control center or control software to provide expanded functionality

Specifications

INTERFACES

Input Port	1 x HDMI (Type-A) 1 x DisplayPort
Output Port	1 x HDMI (Type-A)
Bi-directional Port	1 x 10GbE LAN (SFP+)
Pass-through Port	1 x Unbalanced Stereo (3.5mm) 1 x IR Extender (3.5mm) 1 x IR Blaster (3.5mm) 1 x RS-232 (3-pin Terminal Block) 1 x Ethernet (RJ-45) 3 x USB (Type-A)
Service Port	1 x USB (Mini-B)

VIDEO

HDMI Compliance	HDMI 2.0 (DVI 1.0)
HDCP Compliance	2.2
Input Signal Types	HDMI 2.0 / 4K@60, HDR10 / DisplayPort 1.4 HBR2

RESOLUTIONS

Maximum Input	HDMI - 4096×2160p@60, 2560×1600p@60RB
	DisplayPort - 4096×2160p@60,2560×1600p@60RB
	Streaming - 4096×2160p@60, 2560×1600p@60RB
Maximum Output	HDMI - 4096×2160p@60, 2560×1600p@60RB
	Streaming - 4096×2160p@60, 2560×1600p@60RB

AUDIO

Digital Formats	HDMI - 8CH LPCM, Bitstream, HD Bitstream DisplayPort- 8CH LPCM, Bitstream, HD Bitstream
Analog Formats	Unbalanced 2 Channel
Line Level	Frequency Response: < ±0.5dB (20Hz to 20kHz) THD: < 0.02% (20Hz to 20kHz) S/N Ratio: > 80dB (1kHz with 0dBFS) Crosstalk: < −80dB (10kHz, Vin=0dBFS)

POWER

Power Supply	12V/3A (Locking)
Power Consumption	HDMI 2.0 / 4K@60, HDR10 / DisplayPort 1.4 HBR2

ENCLOSURE

Chassis Material	Metal (Steel)
Chassis Color	White
Certification	CE: EN 60601-1-2:2015(V4.0), EN 60601-1:2006/A1:2013/A12:2014 (V3.1) FCC: Part 18 Class A

Order information

- ACCEL-VM100-N1-A1-0001
  4K UHD+ HDMI/DP/USB over Fiber Transmitter/Receiver (10Gbit/s SFP+)

Medical PC & Monitor for Digital OR

ACCEL-VM200

AV over IP Master Controller

Features

- Enables the management and configuration of multiple compatible video over IP (VoIP) extender through a single WebGUI.
- WebGUI clearly displays the status of all connected Transmitters and Receivers, including IP address, channel selection, etc.
- Dual LAN ports enable control over VoIP installations that reside on a logically or physically separate network from the standard local network.
- Support Optional Trigger Control Keypad for easy, single-button, preset activation.

Specifications

INTERFACES

Output Port	1 x HDMI
Control I/O	1 x IR Extender (3.5mm) 1 x RS-232 (3-pin Terminal Block) 8 x Trigger (10-pin Terminal Block) 1 x USB (Type-A) 2 x LAN (RJ-45)
Reserved Port	1 x RS-232 (5-pin Terminal Block)

VIDEO

Maximum Output	HDMI

RESOLUTIONS

Maximum Output	1920 x 1080p@60

POWER

Power Supply	5V/2.6A DC (Locking)
Power Consumption	2.99W

ENCLOSURE

Chassis Material	Metal (Steel)
Chassis Color	White
Dimensions (W×H×D)	231.5 × 25 ×108 mm (Case Only) 231.5 x 25 x 117 mm (All Inclusive)
Weight	250g
Packing Size	280 x 180 x 71 mm
Certification	CE: EN 60601-1-2:2015(V4.0), EN 60601-1:2006/A1:2013/A12:2014 (V3.1) FCC: Part 18 Class A

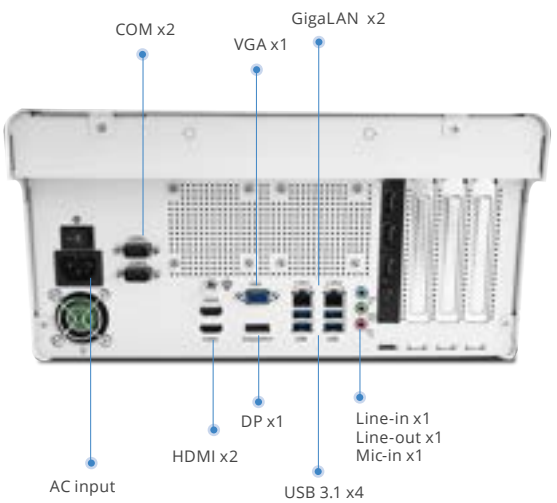
Order information

- ACCEL-VM200-N1-A1-0001
  AV over IP Master Controller

Medical PC & Monitor for Digital OR

ACCEL-VM500R

Medical Video Management System with 9th Generation Intel Xeon / Core i7 CPU



Features

- Intel® 9th generation Core I/Xeon Processor with C246A chipset
- Supports ECC DDR4 DIMM up to 64GB memory
- Excellent Thermal design with low fan noise OR room environment
- Support TPM 2.0 for security management
- Support Three 4K Displays: HDMI x 2, DP x 1
- System is medical Certified with graphic card and capture card
- Supprt the integration of Nvidia RTX A4000, A5000 and A6000 GPU Card
- Support CD DVD(optional)
- Support Built in speaker (optional)

Application

- Equipment control
- Video recording in OR room
- Medical AI Application

Specifications

MAIN SPECIFICATIONS

Processor	Intel® 9th generation Core I/Xeon Processor
System Memory	Supports ECC/Non-ECC DDR4 2133 DIMM x 4 up to 64GB
Chipset	Intel® C246A
OS Support	Windows® 10 , Windows® 11 , Linux (optional)
Storage Disk Drive	2.5" SATA SSD x 2, M.2 2280 M Key SSD x 1 (NVMe or SATA SSD)
TPM	2.0
Speaker (Optional)	Built in Speaker
CD DVD(Optional)	SATA DVD+/-RW White Color

I/O

USB	Rear USB 3.1 Gen 1 x 4
	Front USB 2.0 or USB 3.0(Optonal)
	Rear USB 3.1 Gen 2 x 6(Optional)
Ethernet	Gigabit LAN x 2
Audio	Line-in x 1, Mic-in x 1 and Line-out x 1
Serial Ports	RS-232 x 2
Extension area	M.2 E Key 2230 x 1 for Wireless module PCIe 3.0[x16] x1, PCIe 3.0 [x4] x2, PCIe 3.0 [x1] x 1
Capture card (optional)	4Kp60: HDMI 2.0 in FHD: HDMI x1, DVI-I x 1, YPbPr x1, SDI x1, CVBS x 1, S-Video x 1

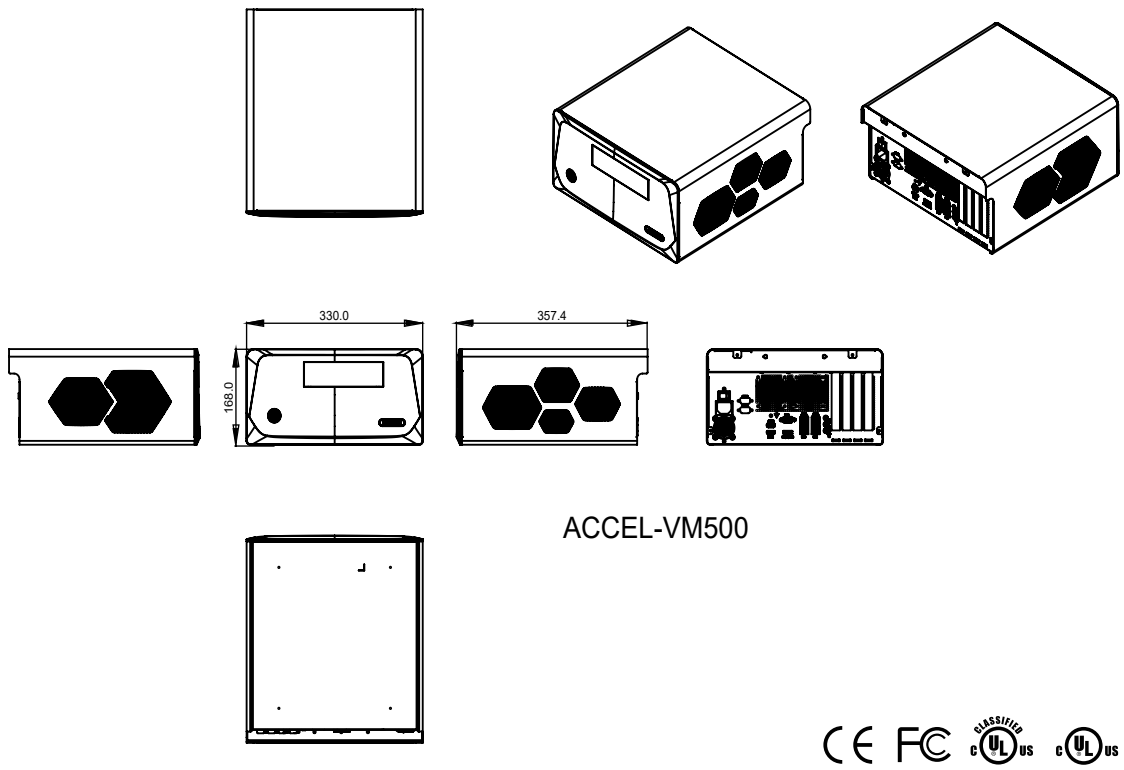
MECHANICAL AND ENVIRONMENTAL

Power Consumption	100V to 240V AC Input, 500W
Operating Temperature	0°C ~ 35°C(32°F ~ 95°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Dimension	330 x 168 x 357.4 mm
Package Size	566 x 290 x 480 mm
Gross Weight	10 kg
Net Weight	8 kg
Certifications	CE: EN 60601-1-2:2015(V4.0), EN 60601-1:2006/A1:2013/A12:2014 (V3.1) FCC: Part 18 Class B UL: ANSI/AAMI ES60601-1:2012 (V3.1) cUL: CAN/CSA-C22.2 No. 60601-1:2014 (V3.1)

※ All product specifications are subject to change without notice

Medical Video Management System with 9th Generation Intel Xeon / Core i7 CPU

Dimension / Unit: mm



ACCEL-VM500

Ordering Information

- ACCEL-VM500-N1-A1-0010
  Medical Box PC.I7-9700E.FAN.4PCIe slot.AC 100~240V.White
- ACCEL-VM500-N2-A1-0010
  Medical Box PC.E-2278GE.FAN.4PCIe slot.AC 100~240V.White
- ACCEL-VM500R-N1-A1-0010
  4K UHD Medical Recorder.i7-9700E.Fan.16GB RAM.1TB HDD.Win 10 IoT.4Kp60+FHD.
  ACCE-RM Pre-installed

Optional Accessories

- OPM-C12W-A13
  WLAN Kit.802.11a/b/g/n/ac.w/BT 4.1.dual ext. antenna.
  Qualcomm Atheros NFA364A.for ACCEL-VM500
- OPM-C15W-A13
  WLAN Kit.802.11a/b/g/n/ac.BT 5.dual ext. antenna.
  Intel AC 9260NGWGIE.NV,999LV6.for ACCEL-VM500
- 9686400008
  Graphics Card.NVIDIA Quadro RTX4000 8GB.GDDR6 PCI-E.
  NVIDIA.RTX4000
- 9686666685
  4k HDMI capture card.2 Port.HDMI2.0
- 9686015601
  Full HD PCIe Video.Capture Card. 1×HDMI, 1×DVI-I, 1×YPbPr,
  1×SDI, 1×CVBS, 1×S-Video
- A50-SEC-A1
  Second 2.5" HDD/SSD kit .for ACCEL-VM500
- A50-SPK-A2
  5W Internal Speaker kit.for ACCEL-VM500
- 9686500002
  (AOH)(TF)Graphics Card.NVIDIA Quadro RTX5000.16GB GDDR6.
  PCI-E.NVIDIA.RTX5000
- 9686A40000
  (AOH)(TF)Graphics Card.NVIDIA Quadro RTXA4000.16GB.GDDR6.
  PCI-E 4.0*16.DP 1.4.NVIDIA.RTX A4000
- 9686A50000
  (AOH)(TF)Graphics Card.NVIDIA Quadro RTXA5000.24GB.GDDR6.
  PCI-E 4.0*16.DP 1.4.NVIDIA.RTX A5000
- 9686A60000
  (AOH)(TF)Graphics Card.NVIDIA Quadro RTXA6000.48GB.GDDR6.
  PCI-E 4.0*16.DP 1.4.NVIDIA.RTX A6000

SLIM MEDICAL ALL IN ONE PC

The Slim Medical Panel PC is designed to meet the requirements and still be cost effective. It is running an Intel Atom / Celeron processor, and it included all necessary input slots within its ultra slim chassis. The flexibility of slim fanless all in one medical panel PC is prefect for hospital applications such as mobile nursing station, wall-mount diagnosis panel, pharmacy automation,bedside infortainment and hospital administration automation.

Key Features

- Green Operation
- Flexible Power Input & Backup Battery
- High Speed Wireless Data Transmission
- Processing in Compact Size
- Scalable LCD Choices
- Quiet, Clean & Easy Maintenance

SCALABLE LCD CHOICES

Slim Medical Panel PC offers five LCD sizes to fulfill the requirements of various hospital applications. 10.1" (Resolution:1280x800), 11.6"(Resolution:1920x1080 or 1366x768), 15.6"(Resolution:1920x1080), 17"(Resolution:1280x1024),and 18.5”(Resolution:1920x1080 or 1366x768)

QUIET, CLEAN & EASY TO MAINTAIN

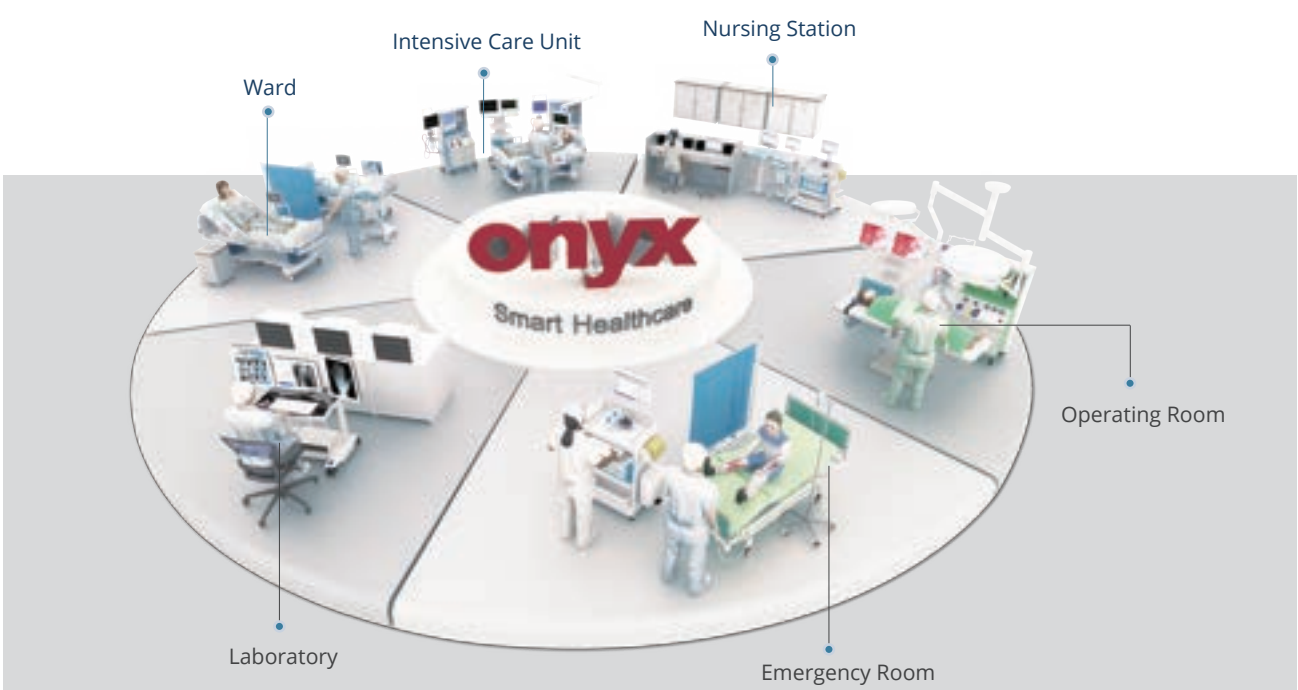
Slim Medical Panel PCs utilize a large fanless heatsink on the back cover to efficiently dissipate heat generated from the processor and chipset. The Fanless cooling design keeps the environment quiet, clean and lowers maintenance efforts.

GREEN & COMPACT SIZE FOR OPERATION

Less than 50W power consumption keeps Slim Medical Panel PC operating and extends the battery life of mobile medical carts. With narrow edge and monitor like chassis, it is easy and space friendly to users for limited space areas and power requirements.

DUAL ANTENNAS WITH BEST WLAN PERFORMANCE

With two antennas built into the Slim Medical Panel PCs, massive medical records and PACS images can be transferred through IEEE 802.11 a/b/g/n/ac/ax wireless LAN .

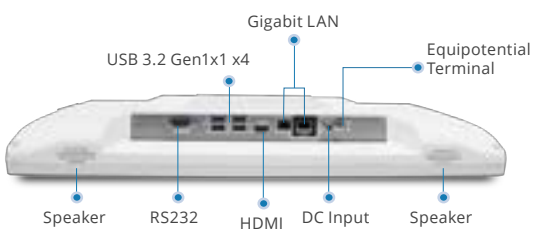


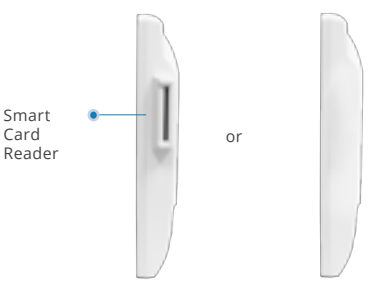
Slim Medical All in One PC

SMA-1833

18.5" Fanless Slim Medical All in One PC

or





Features

- Intel® Celeron N6210/Atom x6211E /Atom x6425E Processor
- 18.5” High Brightness 350nits Full HD LCD
- Supports DDR4 SODIMM up to 32GB (optional In-Band ECC support)
- Proprietary PCI Express[x1] Interface
- Easy Cleaning Flat Screen
- 4 Programmable Smart Function Keys
- High Speed USB 3.2 Gen 1x1 Ports
- RFID Reader & Smart Card Reader (optional)
- +12V DC input

Specifications

MAIN SPECIFICATIONS

Processor	Intel® Atom x6425E 3.0GHz Quad Core Processor, Intel® Atom x6211E 3.0GHz Dual Core Processor, Intel® Celeron N6210 2.6GHz Dual Core Processor
System Memory	Supports DDR4 SODIMM up to 32GB (optional In-Band ECC Support)
Expansion Interface	M.2 2230(E-key) x 1, Proprietary PCIe[x1] x1(Optional)
Storage Disk Drive	M.2 2242 (B-key) SATA SSD x 1 2.5" SATA SSD x 1(Optional)
Security	TPM2.0,RFID Reader (optional)
Wireless Communication	802.11 a/b/g/n/ac/ax + BlueTooth 5.3 (Optional)
Speaker	Built in Speaker (3Wx2)
Function Key	LCD Brightness Up/Down, Touch Screen On/Off
Power Requirement	DC 12V
OS Support	Windows® 10 and 11, Linux (Optional)

DISPLAY

Size	18.5" TFT LCD
Type	AHVA/ADS
Max. Resolution	1920x 1080(FHD)/1366x 768(WXGA)
Luminance(cd/m^2)(Typ.)	350nits / 250nits
Viewing Angle	178˚(H)/178˚(V) /170˚(H)/160˚(V)
Max. Colors	16.7M
Contrast Ratio	1000:1
Back Light Life Time	>50,000 hours / >30,000 hours
Touch Screen	Capacitive Multi-Touch

I/O

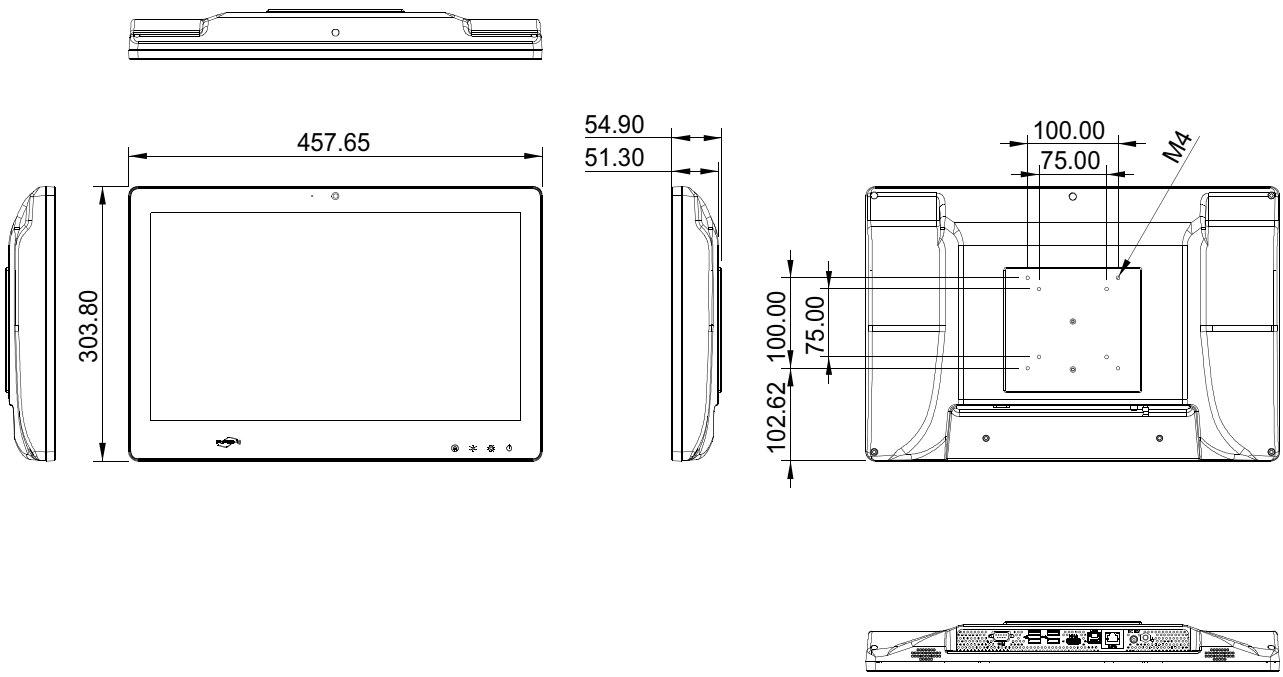
USB	USB 3.2 Gen 1x1 x4
Serial Port	RS-232 x 1
Ethernet	Gigabit LAN x2 (Isolated x1 + non-isolated x1)
Video Out	HDMI 2.0b x1

MECHANICAL AND ENVIRONMENTAL

Power Consumption	Full loading:66Watts
Operating Temperature	0°C ~ 40°C(32°F ~ 104°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Mounting	VESA 75/100 mm
Degree of Protection	Front IP 65, rear IPX1
Dimension	457 mm x 303 mm x 50mm
Package Size	600 mm x 222mm x 436 mm
Gross Weight	6.3kg (13.9lb)
Net Weight	4.4kg (9.7lb)
Certifications	CE : EN 60601-1-2: 2015 + A1: 2021 (V4.1), EN 60601-1: 2007 + A1:2013 +A2:2021 (V3.2) EN 55032:2015/A1:2020 EN55035:2017/A11:2020(ITE) IEC62368-1:2020+A11:2020 (ITE) FCC : Part 15B/ Part 18 UL : ANSI AAMI ES60601-1:2005/A1:2012/A2:2021(V3.2) cUL : CAN/CSA-C22.2 No. 60601-1:14 (IEC 60601-1: 2005+A1:2012+A2:2020,MOD) (V3.2) TELEC : JAPAN TELEC

※ All product specifications are subject to change without notice

Dimension / Unit: mm



Ordering Information

- SMA-1833-P1-A1-0010
  Slim PPC.Celeron N6210.18.5" FHD.DC 12V.PCT
- SMA-1833-P2-A1-0010
  Slim PPC.Atom X6211E.18.5 "FHD.DC 12V.PCT
- SMA-1833-P3-A1-0010
  Slim PPC.Atom X6425E.18.5" FHD.DC 12V.PCT
- SMA-1833-P1-A2-0010
  Slim PPC.Celeron N6210.18.5" WXGA.DC 12V.PCT
- SMA-1833-P2-A2-0010
  Slim PPC.Atom X6211E.18.5" WXGA.DC 12V.PCT
- SMA-1833-P3-A2-0010
  Slim PPC.Atom X6425E.18.5" WXGA.DC 12V.PCT

Optional Accessories

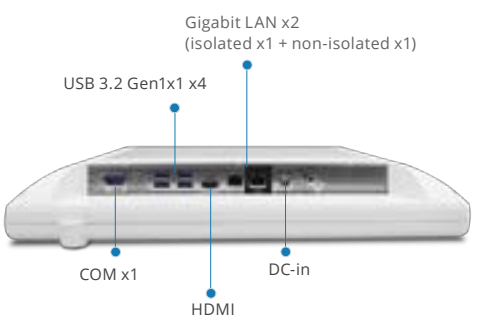
- 1255300841
  Medical Power Adapter, 84W, 12V
- OPM-C20W-A9
  WLAN Kit, IEEE 802.11 a/b/g/n/ac/ax + Bluetooth 5.3
- OPM-S11R-A3
  RFID Reader Kit
- OPM-V08C-A1
  2M Pixels Camera with Mic Kit
- OPM-V08C-A2
  5M Pixels Camera with Mic Kit

Slim Medical All in One PC

SMA-1733

17" Fanless Slim Medical All in One PC

R 003-220254
T D220163003



Features

- Intel Celeron N6210 / Atom x6211E / Atom x6425E Processor
- 17" 350 nits SXGA LCD
- Supports DDR4 SODIMM up to 32GB (optional In-Band ECC support)
- 5-wire Resistive Touch Screen
- Smart Card Reader(optional) / RFID Reader(optional)
- +12V DC input

Specifications

MAIN SPECIFICATIONS

Processor	Intel® Atom x6425E 3.0GHz Quad Core Processor, Intel® Atom x6211E 3.0GHz Dual Core Processor, Intel® Celeron N6210 2.6GHz Dual Core Processor
System Memory	Supports DDR4 SODIMM up to 32GB (optional In-Band ECC Support)
Expansion Interface	M.2 2230(E-key) x 1, Proprietary PCIe[x1] x1(Optional)
Storage Disk Drive	M.2 2242 (B-key) SATA SSD x1
Security	TPM2.0, RFID Reader(optional)
Function Key	Speaker Volume Up/Down, LCD Brightness Up/Down
Wireless Communication	802.11 a/b/g/n/ac/ax + Bluetooth 5.3 (optional)
Speaker	Bulid in Speaker (3Wx2)
Power Requirement	DC 12V
OS Support	Windows® 10 and 11, Linux (Optional)

DISPLAY

Size	17" TFT LCD
Type	TN
Resolution	1280 x 1024 (XGA)
Luminance	350 nits
View Angle	170˚(H)/160˚(V)
Contrast Ratio	1000:1
Back Light Life Time	> 30,000 hours
Touch Screen	5-wire Resistive

I/O

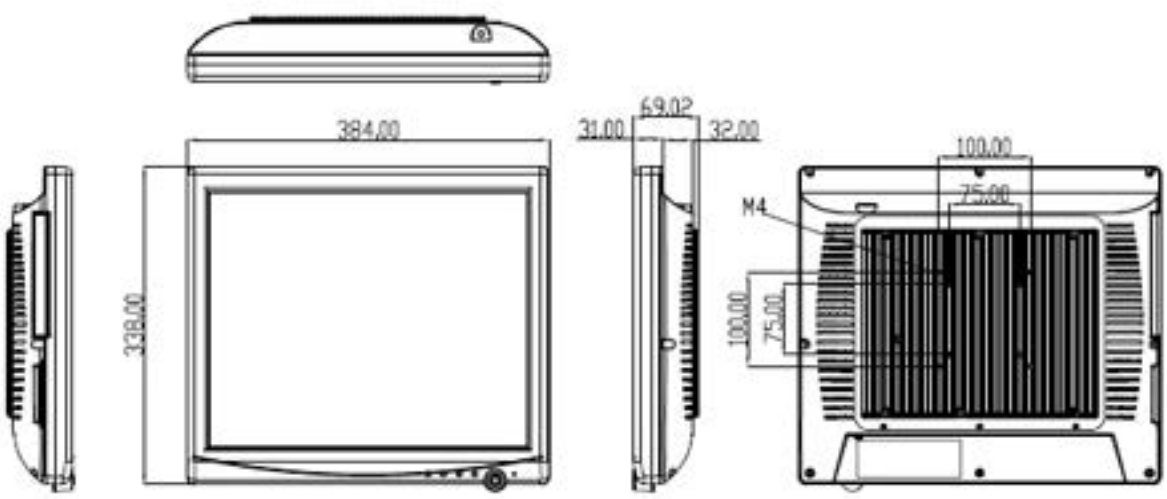
USB	USB 3.2 Gen 1x1 x4
Serial Port	RS-232 x 1
Ethernet	Gigabit LAN x2 (isolated x1 + non-isolated x1)
Video Out	HDMI 2.0b x 1

MECHANICAL AND ENVIRONMENTAL

Power Consumption	Full loading: 57.3Watts
Operating Temperature	0°C ~ 40°C(32°F ~ 104°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Mounting	VESA 75/100 mm
Degree of Protection	Front IP 65, rear IPX1
Dimension	384 x 338 x 69 mm
Package Size	615x227x628 mm
Gross Weight	9kg (19.84 lb)
Net Weight	5.6kg (12.32lb)
Certifications	CE: EN 60601-1-2: 2015 + A1: 2021 (V4.1), EN 60601-1: 2007 + A1:2013 +A2:2021 (V3.2) EN 55032:2015/A1:2020 EN 55035:2017/A11:2020 (ITE) IEC 62368-1:2020+A11:2020 (ITE) FCC: Part 15B/ Part 18 UL: ANSI AAMI ES60601-1:2005/A1:2012/A2:2021(V3.2) cUL: CAN/CSA-C22.2 No. 60601-1:14 (IEC 60601-1: 2005+A1:2012+A2:2020,MOD) (V3.2) TELEC :JAPAN TELEC

※ All product specifications are subject to change without notice

Dimension / Unit: mm



Ordering Information

- SMA-1733-P1-A1-0010
  Slim Medical AIO, 17" LCD, Resistive Touch, Celeron N6210, DC 12V
- SMA-1733-P2-A1-0010
  Slim Medical AIO, 17" LCD, Resistive Touch, Atom x6211E, DC 12V
- SMA-1733-P3-A1-0010
  Slim Medical AIO, 17" LCD, Resistive Touch, Atom x6425E, DC 12V

Optional Accessories

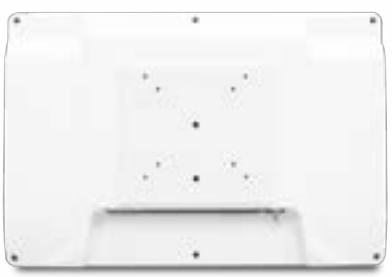
- 1255300841
  Medical Power Adapter, 84W, 12V
- OPM-T008-A1
  Smart Card Reader Kit
- OPM-T007-A5
  Slim Slot-in DVD-RW Drive
- OPM-C20W-A9
  WLAN Kit, IEEE 802.11 a/b/g/n/ac/ax+ Bluetooth 5.3

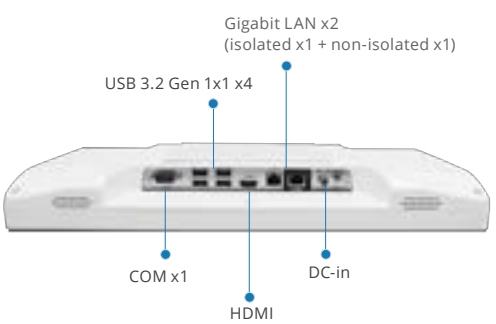
Slim Medical All in One PC

SMA-1533

15.6" Fanless Slim Medical All in One PC

R 003-220254
T D220163003





Features

- Intel® Celeron N6210/Atom x6211E /Atom x6425E Processor
- 15.6” High Brightness 300nit Full HD LCD
- Supports DDR4 SODIMM up to 32GB (optional In-Band ECC support)
- Capacitive Multi-Touch Screen
- Proprietary PCI Express[x1] Interface
- Easy Cleaning Flat Screen
- 4 Programmable Smart Function Keys
- High Speed USB 3.2 Gen 1x1 Ports
- 2.0M/5.0M Pixels Camera with Mic (optional)
- HDMI 2.0b Port for 2nd Display
- RFID Reader (optional)
- +12V DC input / Power over Ethernet(optional)/Power Sourcing equipment (optional)

Specifications

MAIN SPECIFICATIONS

Processor	Intel® Atom x6425E 3.0GHz Quad Core Processor, Intel® Atom x6211E 3.0GHz Dual Core Processor, Intel® Celeron N6210 2.6GHz Dual Core Processor
System Memory	Supports DDR4 SODIMM up to 32GB (optional In-Band ECC Support)
Expansion Interface	M.2 2230(E-key) x 1, Proprietary PCIe[x1] x 1
Storage Disk Drive	M.2 2242 (B-key) SATA SSD x1
Security	TPM2.0, RFID Reader(optional)
Wireless Communication	802.11 a/b/g/n/ac/ax + Bluetooth 5.3 (optional)
Speaker	3W x 2
Function Key	LCD Brightness Up/Down, Touch Screen On/Off
Power Requirement	DC 12V / Power over Ethernet(optional)
OS Support	Windows 10, Windows 11 , Linux

DISPLAY

Size	15.6" LCD
Type	AHVA
Max. Resolution	1920 x 1080
Luminance(cd/m2)(TYP)	300 nits
Max. Colors	16.2 M
Viewing Angle	178˚(H)/178˚(V)
Contrast Ratio	1000:1
Back Light Life Time	> 30,000 hours
Touch Screen	Capacitive Multi-Touch

I/O

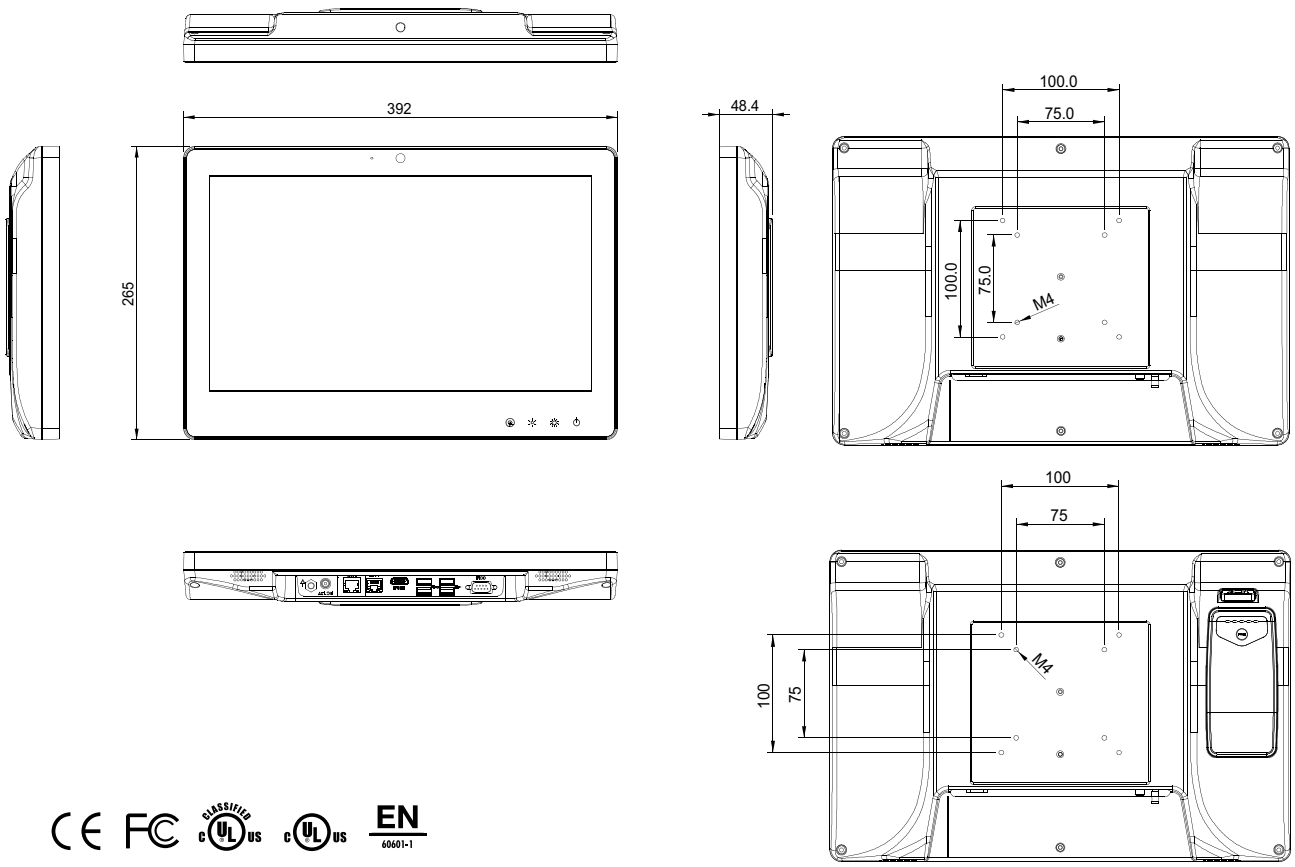
USB	USB 3.2 Gen 1X1 x4
Serial Port	RS-232 x 1
Ethernet	Gigabit LAN x2 (isolated x1 + non-isolated x1)
Video Out	HDMI 2.0b x 1

MECHANICAL AND ENVIRONMENTAL

Power Consumption	Full loading: 48Watts
Operating Temperature	0°C ~ 40°C(32°F ~ 104°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Mounting	VESA 75/100 mm
Degree of Protection	Front IP 65, rear IPX1
Dimension	398 x 265 x 47mm
Package Size	520x190x400 mm
Gross Weight	4.3kg (9.5lb)
Net Weight	1.8kg (4.0lb)
Certifications	CE: EN 60601-1-2: 2015 + A1: 2021 (V4.1), EN 60601-1: 2007 + A1:2013 +A2:2021 (V3.2) EN 55032:2015/A1:2020 EN 55035:2017/A11:2020 (ITE) IEC 62368-1:2020+A11:2020 (ITE) FCC: Part 15B/ Part 18 UL: ANSI AAMI ES60601-1:2005/A1:2012/A2:2021(V3.2) cUL: CAN/CSA-C22.2 No. 60601-1:14 (IEC 60601-1: 2005+A1:2012+A2:2020,MOD) (V3.2) TELEC :JAPAN TELEC

※ All product specifications are subject to change without notice

Dimension / Unit: mm



Ordering Information

- SMA-1533-P1-A1-0010
  Slim Medical AIO, 15.6" FHD LCD, Capacitive Touch, Celeron N6210, DC 12V
- SMA-1533-P1-A2-0010
  Slim Medical AIO, 15.6" FHD LCD, Capacitive Touch, Celeron N6210, Battery
- SMA-1533-P1-A3-0010
  Slim Medical AIO, 15.6" FHD LCD, Capacitive Touch, Celeron N6210, PoE
- SMA-1533-P2-A1-0010
  Slim Medical AIO, 15.6" FHD LCD, Capacitive Touch, Atom x6211E, DC 12V
- SMA-1533-P2-A2-0010
  Slim Medical AIO, 15.6" FHD LCD, Capacitive Touch, Atom x6211E, Battery
- SMA-1533-P2-A3-0010
  Slim Medical AIO, 15.6" FHD LCD, Capacitive Touch, Atom x6211E, PoE
- SMA-1533-P3-A1-0010
  Slim Medical AIO, 15.6" FHD LCD, Capacitive Touch, Atom x6425E, DC 12V
- SMA-1533-P3-A2-0010
  Slim Medical AIO, 15.6" FHD LCD, Capacitive Touch, Atom x6425E, Battery
- SMA-1533-P3-A3-0010
  Slim Medical AIO, 15.6" FHD LCD, Capacitive Touch, Atom x6425E, PoE

Optional Accessories

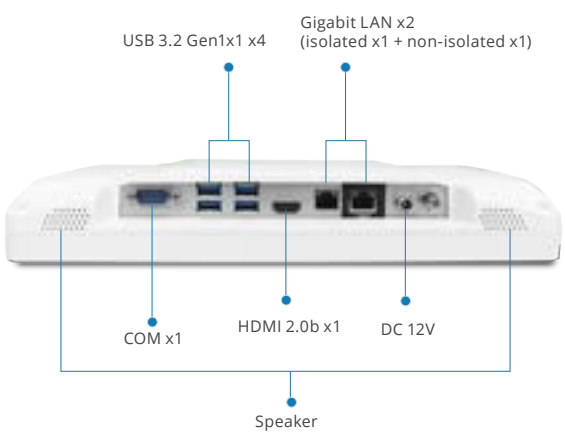
- 125530060C
  Medical Power Adapter, 60W, 12V
- 1255300841 (For Battery SKU)
  Medical Power Adapter, 84W, 12V
- OPM-T011-A1
  2M Pixels Camera with Mic Kit
- OPM-C20W-A9
  WLAN Kit, IEEE 802.11 a/b/g/n/ac/ax+ Bluetooth 5.3

Slim Medical All in One PC

SMA-1233

11.6" Fanless Slim Medical All in One PC

R 003-220254
T D220163003



Features

- Intel® Celeron N6210 / Atom x6211E / Atom x6425E Processor
- 11.6" 250-nit WXGA /300-nit FHD LCD
- Supports DDR4 SODIMM up to 32GB (optional In-Band ECC support)
- Capacitive Multi-Touch Screen
- Proprietary PCI Express[x1] Interface
- Easy Cleaning Flat Screen
- 4 Programmable Smart Function Keys
- USB 3.2 Gen 1x1 Ports
- 2.0M/5.0M Pixels Camera with Mic (optional)
- HDMI 2.0b Port for 2nd Display
- RFID Reader (optional)
- +12V DC input / Power over Ethernet(optional)/Power Sourcing equipment (optional)

Specifications

MAIN SPECIFICATIONS

Processor	Intel® Atom x6425E 3.0GHz Quad Core Processor, Intel® Atom x6211E 3.0GHz Dual Core Processor, Intel® Celeron N6210 2.6GHz Dual Core Processor
System Memory	Supports DDR4 SODIMM up to 32GB (optional In-Band ECC Support)
Expansion Interface	M.2 2230(E-key) x 1, Proprietary PCIe[x1] x 1
Storage Disk Drive	M.2 2242(B-key) SATA SSD x1
Security	TPM2.0, RFID Reader(optional)
Wireless Communication	802.11 a/b/g/n/ac/ax + Bluetooth 5.3 (optional)
Speaker	2W x 2
Function Key	LCD Brightness Up/Down, Touch Screen On/Off
Power Requirement	DC 12V / Power over Ethernet (optional)
OS Support	Windows 10, Windows 11 , Linux

DISPLAY

Size	11.6" LCD
Type	AHVA / TN
Max. Resolution	1920 x 1080 / 1366 x 768
Luminance(cd/m2)(TYP)	300 nits / 250 nits
Max. Colors	16.7 M /262K
Viewing Angle	178(H)/178(V) / 90(H)/60(V)
Contrast Ratio	800:1/500:1
Back Light Life Time	> 30,000 hours/ > 15,000 hours
Touch Screen	Capacitive Multi-Touch

I/O

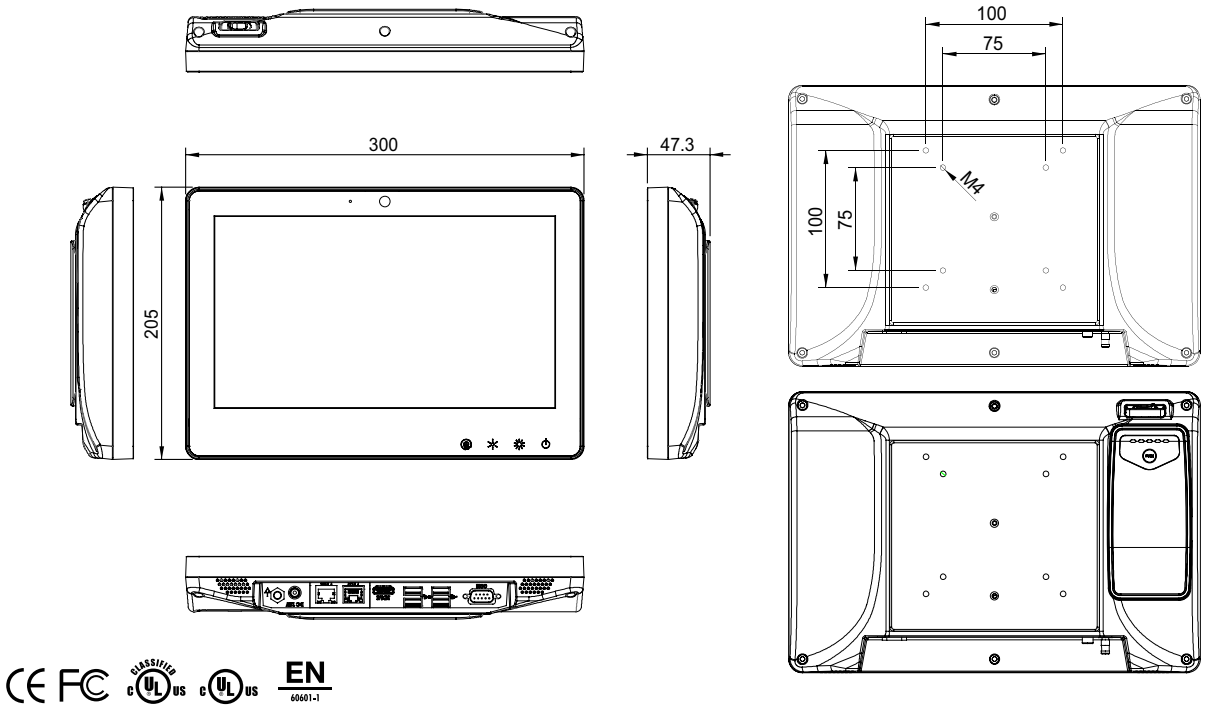
USB	USB 3.2 Gen 1x1 x4
Serial Port	RS-232 x 1
Ethernet	Gigabit LAN x2 (isolated x1 + non-isolated x1)
Video Out	HDMI 2.0b x 1

MECHANICAL AND ENVIRONMENTAL

Power Consumption	Full loading: 43.5 Watts
Operating Temperature	0°C ~ 40°C(32°F ~ 104°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Mounting	VESA 75/100 mm
Degree of Protection	Front IP65; Rear IPX1
Dimension	300 x 205 x 47.3 mm
Package Size	420 x 185 x 345 mm
Gross Weight	4kg (8.82lb)
Net Weight	1.5kg (3.3lb)
Certifications	CE: EN 60601-1-2: 2015 + A1: 2021 (V4.1), EN 60601-1: 2007 + A1:2013 +A2:2021 (V3.2) EN 55032:2015/A1:2020 EN 55035:2017/A11:2020 (ITE) IEC 62368-1:2020+A11:2020 (ITE) FCC: Part 15B/ Part 18 UL: ANSI AAMI ES60601-1:2005/A1:2012/A2:2021(V3.2) cUL: CAN/CSA-C22.2 No. 60601-1:14 (IEC 60601-1: 2005+A1:2012+A2:2020,MOD) (V3.2) TELEC :JAPAN TELEC

※ All product specifications are subject to change without notice

Dimension / Unit: mm



Ordering Information

- SMA-1233-P1-A1-0010
  Slim Medical AIO, 11.6" WXGA LCD, Capacitive Touch, Celeron N6210, DC 12V
- SMA-1233-P1-A2-0010
  Slim Medical AIO, 11.6" FHD LCD, Capacitive Touch, Celeron N6210, DC 12V
- SMA-1233-P1-A3-0010
  Slim Medical AIO, 11.6" WXGA LCD, Capacitive Touch, Celeron N6210, Battery, DC 12V
- SMA-1233-P1-A4-0010
  Slim Medical AIO, 11.6" FHD LCD, Capacitive Touch, Celeron N6210, Battery, DC 12V
- SMA-1233-P1-A5-0010
  Slim Medical AIO, 11.6" WXGA LCD, Capacitive Touch, Celeron N6210, Power over Ethernet
- SMA-1233-P1-A6-0010
  Slim Medical AIO, 11.6" FHD LCD, Capacitive Touch, Celeron N6210, Power over Ethernet
- SMA-1233-P3-A1-0010
  Slim Medical AIO, 11.6" WXGA LCD, Capacitive Touch, Atom x6425E, DC 12V
- SMA-1233-P3-A2-0010
  Slim Medical AIO, 11.6" FHD LCD, Capacitive Touch, Atom x6425E, DC 12V
- SMA-1233-P3-A3-0010
  Slim Medical AIO, 11.6" WXGA LCD, Capacitive Touch, Atom x6425E, Battery, DC 12V
- SMA-1233-P3-A4-0010
  Slim Medical AIO, 11.6" FHD LCD, Capacitive Touch, Atom x6425E, Battery, DC 12V
- SMA-1233-P3-A5-0010
  Slim Medical AIO, 11.6" WXGA LCD, Capacitive Touch, Atom x6425E, Power over Ethernet
- SMA-1233-P3-A6-0010
  Slim Medical AIO, 11.6" FHD LCD, Capacitive Touch, Atom x6425E, Power over Ethernet

Optional Accessories

- 125530060C
  Medical Power Adapter, 60W, 12V
- 1255300841 (For Battery SKU)
  (AOH)(TF)Medical Power Adaptor.100~240VAC.12VDC.7A. 84W.W/ Lock.Adapter.ATM090T-P120 (Level VI)
- OPM-C20W-A9
  WLAN Kit, IEEE 802.11 a/b/g/n/ac/ax+ Bluetooth 5.3
- OPM-V08C-A1
  2M Pixels Camera with Mic Kit
- OPM-V08C-A2
  5M Pixels Camera with Mic Kit

Slim Medical All in One PC

SMA-1033

10.1" Fanless Slim Medical All in One PC

R 003-220254
T D220163003

Features

- Intel® Celeron N6210 / Atom x6211E /Atom x6425E Processor
- 10.1" 1280x800 LCD
- Supports DDR4 SODIMM up to 32GB (optional In-Band ECC support)
- Capacitive Multi-Touch Screen
- Proprietary PCI Express[x1] Interface
- Easy Cleaning Flat Screen
- 4 Programmable Smart Function Keys
- High Speed USB 3.2 Gen 1x1 Ports
- 2.0M/5.0M Pixels Camera with Mic (optional)
- HDMI 2.0b Port for 2nd Display
- RFID Reader (optional)
- +12V DC input

Specifications

MAIN SPECIFICATIONS

Processor	Intel® Atom x6425E 3.0GHz Quad Core Processor, Intel® Atom x6211E 3.0GHz Dual Core Processor, Intel® Celeron N6210 2.6GHz Dual Core Processor
System Memory	Supports DDR4 SODIMM up to 32GB (optional In-Band ECC Support)
Expansion Interface	M.2 2230(E-key) x 1, Proprietary PCIe[x1] x 1
Storage Disk Drive	M.2 2242(B-key) SATA SSD x1
Security	TPM2.0, RFID Reader(optional)
Wireless Communication	802.11 a/b/g/n/ac/ax + Bluetooth 5.3 (optional)
Speaker	2W x 2
Function Key	LCD Brightness Up/Down, Touch Screen On/Off
Power Requirement	DC 12V
OS Support	Windows 10, Windows 11 , Linux

DISPLAY

Size	10.1" TFT LCD
Type	AHVA
Max. Resolution	1280 x 800 (WXGA)
Luminance(cd/m2)(TYP)	400 nits
Viewing Angle	178˚(H)/178˚(V)
Contrast Ratio	800:1
Back Light Life Time	>30,000 hours
Touch Screen	Capacitive Multi-Touch

I/O

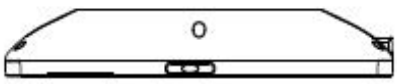
USB	USB 3.2 Gen 1x1 x4
Serial Port	RS-232 x 1
Ethernet	Gigabit LAN x2 (isolated x1 + non-isolated x1)
Video Out	HDMI 2.0b x 1

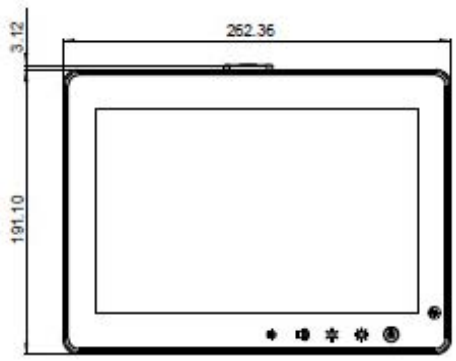
MECHANICAL AND ENVIRONMENTAL

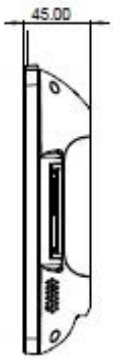
Power Consumption	Full loading: 28.5 Watts
Operating Temperature	0°C ~ 40°C(32°F ~ 104°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Mounting	VESA 75/100 mm
Degree of Protection	Front IP65; Rear IPX1
Dimension	262 x 191 x 45 mm
Package Size	400 x 323 x 175 mm
Gross Weight	3.7kg (8.2lb)
Net Weight	1.2kg (2.6lb)
Certifications	CE: EN 60601-1-2: 2015 + A1: 2021 (V4.1), EN 60601-1: 2007 + A1:2013 +A2:2021 (V3.2) EN 55032:2015/A1:2020 EN 55035:2017/A11:2020 (ITE) IEC 62368-1:2020+A11:2020 (ITE) FCC: Part 15B/ Part 18 UL: ANSI AAMI ES60601-1:2005/A1:2012/A2:2021(V3.2) cUL: CAN/CSA-C22.2 No. 60601-1:14 (IEC 60601-1: 2005+A1:2012+A2:2020,MOD) (V3.2) TELEC :JAPAN TELEC

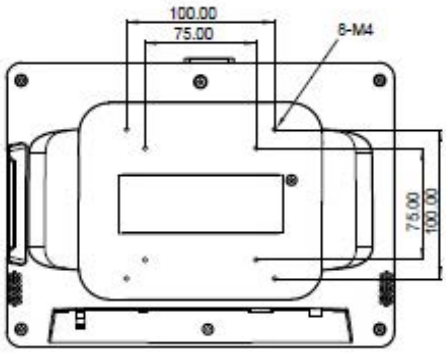
※ All product specifications are subject to change without notice

Dimension / Unit: mm









Ordering Information

- SMA-1033-P1-A1-0010
  Slim Medical AIO, 10.1" LCD, Capacitive Touch, Celeron N6210, DC 12V
- SMA-1033-P2-A1-0010
  Slim Medical AIO, 10.1" LCD, Capacitive Touch, Atom x6211E, DC 12V
- SMA-1033-P3-A1-0010
  Slim Medical AIO, 10.1" LCD, Capacitive Touch, Atom x6425E, DC 12V

Optional Accessories

- 125530060C
  Medical Power Adapter, 60W, 12V
- OPM-C20W-A9
  WLAN Kit, IEEE 802.11 a/b/g/n/ac/ax+ Bluetooth 5.3
- OPM-T010-A2
  Smart Card Reader Kit
- OPM-V08C-A1
  2M Pixels Camera with Mic Kit
- OPM-V08C-A2
  5M Pixels Camera with Mic Kit

POWERFUL MEDICAL ALL IN ONE PC

Medical AIO is a highly cost effective solution. Intel Core i7 processor, up to 64GB DDR4 and capacitive multi-touch screen enhance the efficiency of hospital applications. Fanless design keeps environment quiet and reduces the effort in cleaning. With one PCI Express[x1] or [x4]slot, any standard PCI Express[x1] or [x4] card such as isolated RS-232 card and video capture card can be installed to enhance functionality

Key Features

- 19”/22”/24”LCD with capacitive multi-touch
- Trusted Platform Module , RFID Reader and Smart Card Reader for Security Enhancement
- One PCI Express Slot
- +12V DC / 100~240V AC input
- Fanless Design for Quiet and Easy Maintenance
- Reading Light

INTEL® CORE PLATFORM FOR CRITICAL APPLICATIONS

Medical AIO offer ultra high performance Intel® Core processor.

SUPER 3.0 FOR USB, SATA AND PCI-E

Still looking for a faster solution to upload or download medical records?! Zeus comes with latest high speed I/O design (USB3.0, SATA3.0, PCI-E3.0). Super 3.0 gives ten times data rate than before.

TRIPLE ISOLATION PROTECTION TO PATIENT

Medical isolation rating is 4kV rms (IEC 60601-1), which is crucial to protect patients, operators and medical equipment from harmful surges or spikes in the electrical signal. Medical AIO offers optional COM port, USB port isolation. We set the highest standard for patient and medical uses.

QUIET, CLEAN & EASY TO MAINTAIN

Slim Medical Panel PCs utilize a large fanless heatsink on the back cover to efficiently dissipate heat generated from the processor and chipset. The Fanless cooling design keeps the environment quiet, clean and lowers maintenance efforts.

DUAL ANTENNAS WITH BEST WLAN PERFORMANCE

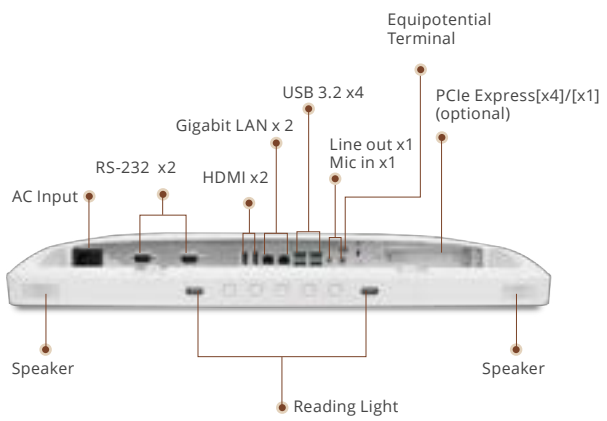
With two antennas built into the Slim Medical Panel PCs, massive medical records and PACS images can be transferred through IEEE 802.11ac/a/b/g/n wireless LAN up to 1.73G bps/sec.

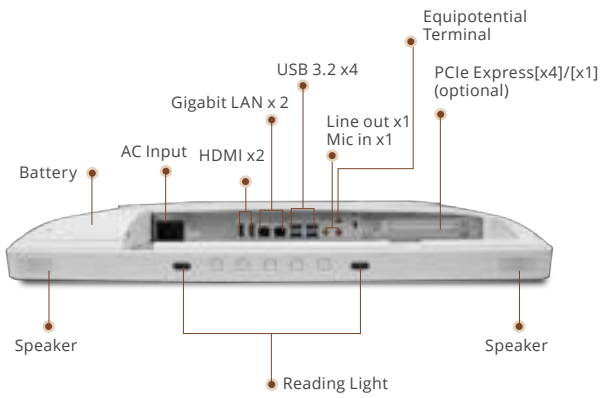
Powerful Medical All in One PC

MATE2-2412

24" Fanless 13th Generation Core i9 Powerful Medical All in One PC

R 003-220254
T D220163003





Features

- Intel® 13th Generation Core™ i9/ i7/ i5 /i3 Processor
- Supports Dual Channel DDR5 5600/4800 SODIMM up to 64GB
- 24" Full HD Wide Viewing Angle LCD
- Capacitive Multi-Touch Screen
- Two Gigabit Ethernet
- High Speed USB 3.2 Gen2 Ports
- RS-232 x 2
- 8MP Camera with Mic (optional)
- PCI Express [x4] / [x1] x1 (optional)
- Imprivata RFID Reader (optional)
- Reading Light
- 25W Backup Battery Support (Optional)

Specifications

MAIN SPECIFICATIONS

Processor	Intel 13th Generation Core i9-13900TE 24 Cores 5.00GHz Intel 13th Generation Core i7-13700TE 16 Cores 4.80GHz Intel 13th Generation Core i5-13500TE 14 Cores 4.50GHz Intel 13th Generation Core i3-13100TE 4 Cores 4.10GHz
System Memory	Supports Dual Channel DDR5 5600/ 4800 SODIMM up to 64GB
Expansion Interface	PCI Express[x4]/[x1] x1 (optional)
OS Support	Windows® 10, Windows® 11, Linux®
Storage Disk Drive	M.2 2280 SATA SSD x 1 2.5" SATA Hard Disk Drive/SSD x 1 (optional)
Security	Trusted Platform Module 2.0 , Imprivata RFID Reader (optional)
Wireless Communication	802.11 ac/a/b/g/n(optional), 802.11 ax (optional), Bluetooth 5 (optional)
Speaker	2W x 2
Function Key	LCD Brightness Up/Down, Touch Screen On/Off, Reading Light On/Off
Power Requirement	AC 100~240V / DC 12V

DISPLAY

Size	24" LCD
Resolution	1920 x 1080
Luminance	250 nits
View Angle	178˚(H)/178˚(V)
Contrast Ratio	3000:1
Back Light Life Time	30,000 Hours
Touch Screen	Capacitive Multi-Touch

I/O

USB	USB 3.2 Gen 2 x 2 ,USB 3.2 Gen1 x2
Serial Port	RS-232 x 2 or No RS232 for Battery version
Ethernet	1.5KV Isolated Gigabit LAN x 2
Video Out	HDMI 2.0 x 2 (Supports resolution up to 3840 x 2160)
Audio	Mic-in, Line-out

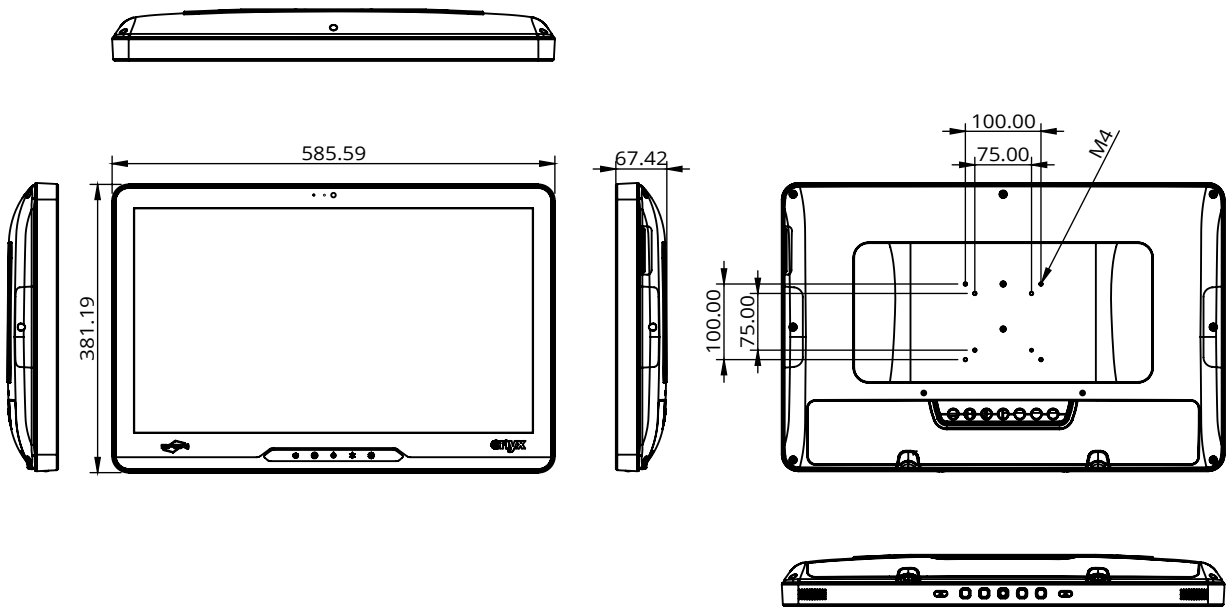
MECHANICAL AND ENVIRONMENTAL

Operating Temperature	0°C ~ 35°C(32°F ~ 95°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Mounting VESA	75/100 mm
Degree of Protection	IP65 in the front ; IP54 in the back
Dimension	586 x 381 x 67mm
Package Size	755 x 195 x 528mm
Gross Weight	14 kg (30.86 lb)
Net Weight	8.7 kg(19.2 lb)
Certifications	CE : EN 60601-1-2: 2015 + A1: 2021 (V4.1), EN 60601-1: 2007 + A1:2013 +A2:2021 (V3.2) EN 55032:2015/A1:2020 EN55035:2017/A11:2020(ITE) IEC62368-1:2020+A11:2020 (ITE) FCC : Part 15B/ Part 18 UL : ANSI AAMI ES60601-1:2005/A1:2012/A2:2021(V3.2) cUL : CAN/CSA-C22.2 No. 60601-1:14 (IEC 60601-1: 2005+A1:2012+A2:2020,MOD) (V3.2) TELEC:JAPAN TELEC

※ All product specifications are subject to change without notice

24" Fanless 13th Generation Core i9 Powerful Medical All in One PC

Dimension / Unit: mm



Ordering Information

- MATE2-2412-P1-A1-0010
  Medical Panel PC,24" LCD,Capacitive Touch,i9-13900TE, AC 100~240V
- MATE2-2412-P2-A1-0010
  Medical Panel PC,24" LCD,Capacitive Touch,i7-13700TE, AC 100~240V
- MATE2-2412-P3-A1-0010
  Medical Panel PC,24" LCD,Capacitive Touch,i5-13500TE, AC 100~240V
- MATE2-2412-P4-A1-0010
  Medical Panel PC,24" LCD,Capacitive Touch,i3-13100TE, AC 100~240V
- MATE2-2412-P1-A2-0010
  Medical Panel PC,24" LCD,Capacitive Touch,i9-13900TE,RFID Reader,AC 100~240V
- MATE2-2412-P2-A2-0010
  Medical Panel PC,24" LCD,Capacitive Touch,i7-13700TE,RFID Reader,AC 100~240V
- MATE2-2412-P3-A2-0010
  Medical Panel PC,24" LCD,Capacitive Touch,i5-13500TE,RFID Reader,AC 100~240V
- MATE2-2412-P4-A2-0010
  Medical Panel PC,24" LCD,Capacitive Touch,i3-13100TE,RFID Reader,AC 100~240V

Optional Accessories

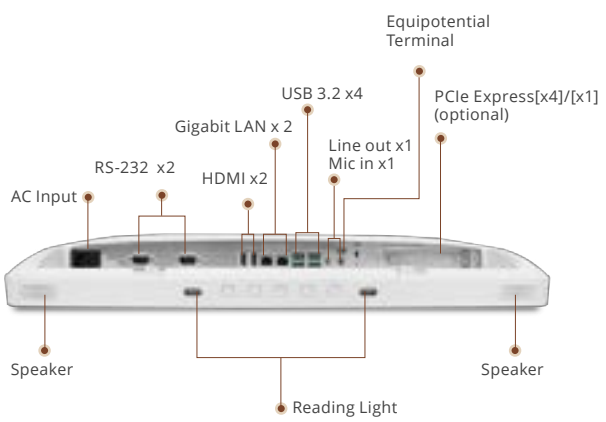
- OPM-C20W-A1
  WLAN Kit.802.11ax(Wi-Fi 6E).w/BT 5.3.dual int. antenna. Intel.AX210.NGWGIE.vPro.for MATE2
- OPM-R03X-A1
  PCI Express[x1] Riser Kit
- OPM-R04X-A1
  PCI Express[x4] Riser Kit
- OPM-T038-A1
  2.5"SSD/HDD Kit
- OPM-C02C-A1
  Two Isolated RS-232 & One Isolated USB 2.0 Full Speed PCIe Card
- OPM-C02C-A2
  Two Isolated RS-232 PCIe Card
- OPM-V06C-A2
  8MP Camera with Mic Kit.for MATE2-xx12

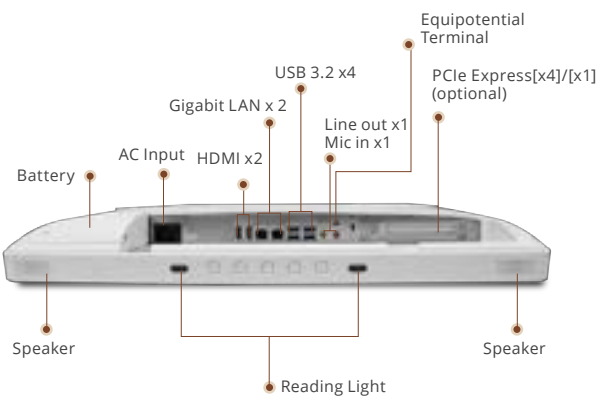
Powerful Medical All in One PC

MATE2-2212

22" Fanless 13th Generation Core i9 Powerful Medical All in One PC

R 003-220254
T D220163003





Features

- Intel® 13th Generation Core™ i9/ i7/ i5 /i3 Processor
- Supports Dual Channel DDR5 5600/ 4800 SODIMM up to 64GB
- 22" Full HD Wide Viewing Angle LCD
- Capacitive Multi-Touch Screen
- Two Gigabit Ethernet
- High Speed USB 3.2 Gen2 Ports
- RS-232 x 2
- 8MP Camera with Mic (optional)
- PCI Express [x4] / [x1] x1 (optional)
- Imprivata RFID Reader (optional)
- Reading Light
- 25W Backup Battery Support (Optional)

Specifications

MAIN SPECIFICATIONS

Processor	Intel 13th Generation Core i9-13900TE 24 Cores 5.00GHz Intel 13th Generation Core i7-13700TE 16 Cores 4.80GHz Intel 13th Generation Core i5-13500TE 14 Cores 4.50GHz Intel 13th Generation Core i3-13100TE 4 Cores 4.10GHz
System Memory	Supports Dual Channel DDR5 5600/ 4800 SODIMM up to 64GB
Expansion Interface	PCI Express[x4]/[x1] x1 (optional)
OS Support	Windows® 10, Windows® 11, Linux®
Storage Disk Drive	M.2 2280 SATA SSD x 1 2.5" SATA Hard Disk Drive/SSD x 1 (optional)
Security	Trusted Platform Module 2.0 , Imprivata RFID Reader (optional)
Wireless Communication	802.11 ac/a/b/g/n(optional), 802.11 ax (optional), Bluetooth 5 (optional)
Speaker	2W x 2
Function Key	LCD Brightness Up/Down, Touch Screen On/Off, Reading Light On/Off
Power Requirement	AC 100~240V / DC 12V

DISPLAY

Size	22" LCD
Resolution	1920 x 1080
Luminance	250 nits
View Angle	178˚(H)/178˚(V)
Contrast Ratio	1000:1
Back Light Life Time	50,000 Hours
Touch Screen	Capacitive Multi-Touch

I/O

USB	USB 3.2 Gen 2 x 2 ,USB 3.2 Gen1 x2
Serial Port	RS-232 x 2 or No RS232 for Battery version
Ethernet	1.5KV Isolated Gigabit LAN x 2
Video Out	HDMI 2.0 x 2 (Supports resolution up to 3840 x 2160)
Audio	Mic-in, Line-out

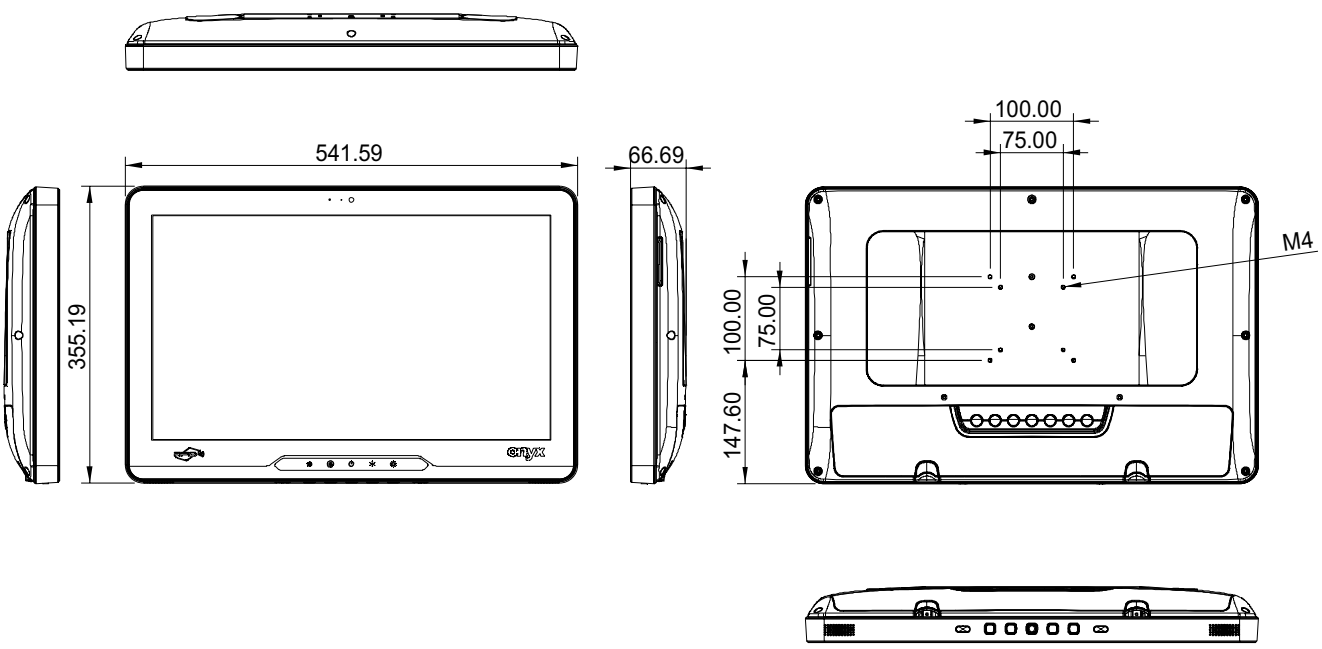
MECHANICAL AND ENVIRONMENTAL

Operating Temperature	0°C ~ 35°C(32°F ~ 95°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Mounting VESA	75/100 mm
Degree of Protection	IP65 in the front ; IP54 in the back
Dimension	542 x 355 x 67mm
Package Size	711 x 195 x 503mm
Gross Weight	11 kg (24.25 lb)
Net Weight	7.5 kg(16.5 lb)
Certifications	CE : EN 60601-1-2: 2015 + A1: 2021 (V4.1), EN 60601-1: 2007 + A1:2013 +A2:2021 (V3.2) EN 55032:2015/A1:2020 EN55035:2017/A11:2020(ITE) IEC62368-1:2020+A11:2020 (ITE) FCC : Part 15B/ Part 18 UL : ANSI AAMI ES60601-1:2005/A1:2012/A2:2021(V3.2) cUL : CAN/CSA-C22.2 No. 60601-1:14 (IEC 60601-1: 2005+A1:2012+A2:2020,MOD) (V3.2) TELEC:JAPAN TELEC

※ All product specifications are subject to change without notice

22" Fanless 13th Generation Core i9 Powerful Medical All in One PC

Dimension / Unit: mm



Ordering Information

- MATE2-2212-P1-A1-0010
  Medical Panel PC,22" LCD,Capacitive Touch,i9-13900TE, AC 100~240V
- MATE2-2212-P2-A1-0010
  Medical Panel PC,22" LCD,Capacitive Touch,i7-13700TE, AC 100~240V
- MATE2-2212-P3-A1-0010
  Medical Panel PC,22" LCD,Capacitive Touch,i5-13500TE, AC 100~240V
- MATE2-2212-P4-A1-0010
  Medical Panel PC,22" LCD,Capacitive Touch,i3-13100TE, AC 100~240V
- MATE2-2212-P1-A2-0010
  Medical Panel PC,22" LCD,Capacitive Touch,i9-13900TE,RFID Reader,AC 100~240V
- MATE2-2212-P2-A2-0010
  Medical Panel PC,22" LCD,Capacitive Touch,i7-13700TE,RFID Reader,AC 100~240V
- MATE2-2212-P3-A2-0010
  Medical Panel PC,22" LCD,Capacitive Touch,i5-13500TE,RFID Reader,AC 100~240V
- MATE2-2212-P4-A2-0010
  Medical Panel PC,22" LCD,Capacitive Touch,i3-13100TE,RFID Reader,AC 100~240V

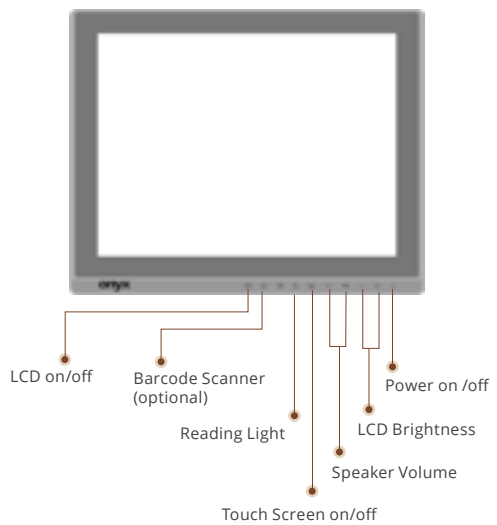
Optional Accessories

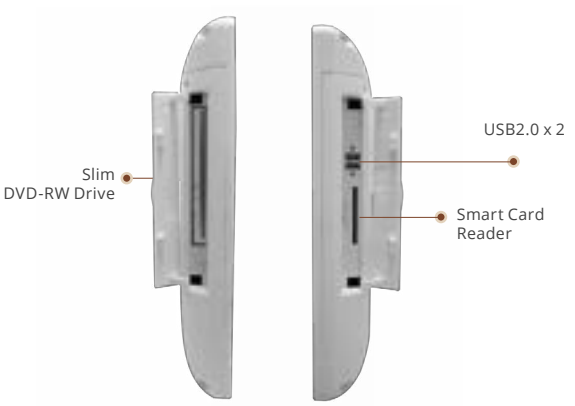
- OPM-C20W-A1
  WLAN Kit.802.11ax(Wi-Fi 6E).w/BT 5.3.dual int. antenna. Intel.AX210.NGWGIE.vPro.for MATE2
- OPM-R03X-A1
  PCI Express[x1] Riser Kit
- OPM-R04X-A1
  PCI Express[x4] Riser Kit
- OPM-T038-A1
  2.5"SSD/HDD Kit
- OPM-C02C-A1
  Two Isolated RS-232 & One Isolated USB 2.0 Full Speed PCIe Card
- OPM-C02C-A2
  Two Isolated RS-232 PCIe Card
- OPM-V06C-A2
  8MP Camera with Mic Kit.for MATE2-xx12

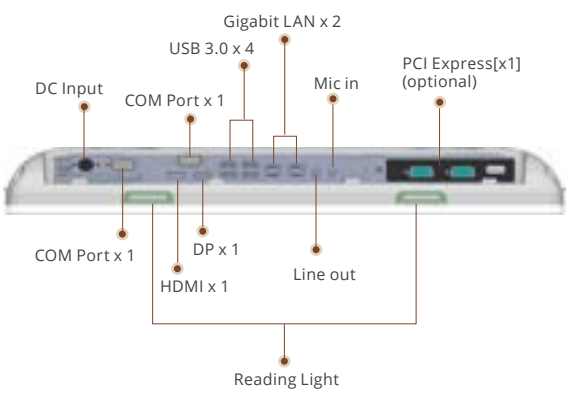
Powerful Medical All in One PC

MATE-1903

19" Fanless 6th Generation Core i7 Powerful Medical All in One PC







Features

- Intel® 6th Generation Core™ i7/ i5 / i3 Processor
- Intel® H110 Chipset
- Supports Dual Channel DDR4 2133 SODIMM up to 32GB
- 19" SXGA LCD with LED Backlight
- Capacitive Multi-Touch Screen
- Two Gigabit Ethernet
- High Speed USB 3.0 Ports
- RS-232 x 2
- PCI-Express x [1] x 1 (optional)
- 25Wh Backup Battery (optional)

Specifications

MAIN SPECIFICATIONS

Processor	Intel® 6th Generation Core i7 / i5 / i3 Processor
System Memory	Supports Dual Channel DDR4 2133 SODIMM up to 32GB
Chipset	Intel® H110
OS Support	Windows® 7, Windows® 10, Linux®
Storage Disk Drive	2.5" SATA Hard Disk Drive/SSD x 1 Slim DVD-RW Drive x 1 (optional)
Security	Trusted Platform Module, RFID Reader (optional) Smart Card Reader x 1 (optional)
Wireless Communication	802.11ac, Bluetooth 5.1 (optional)
Speaker	5W x 2
Function Key	Speaker Volume Up/Down, LCD Brightness Up/Down LCD On/Off, Touch Screen On/Off, Reading Light On/Off
Power Requirement	DC 12V / DC 24V when backup battery is installed

DISPLAY

Size / Type	19" TN LCD
Max. Resolution	1280 x 1024
Luminance(cd/m2)(TYP)	250 nits
Viewing Angle	170˚(H)/160˚(V)
Contrast Ratio	1000:1
Back Light Life Time	30,000 Hours
Touch Screen	Capactive Multi-Touch Screen

I/O

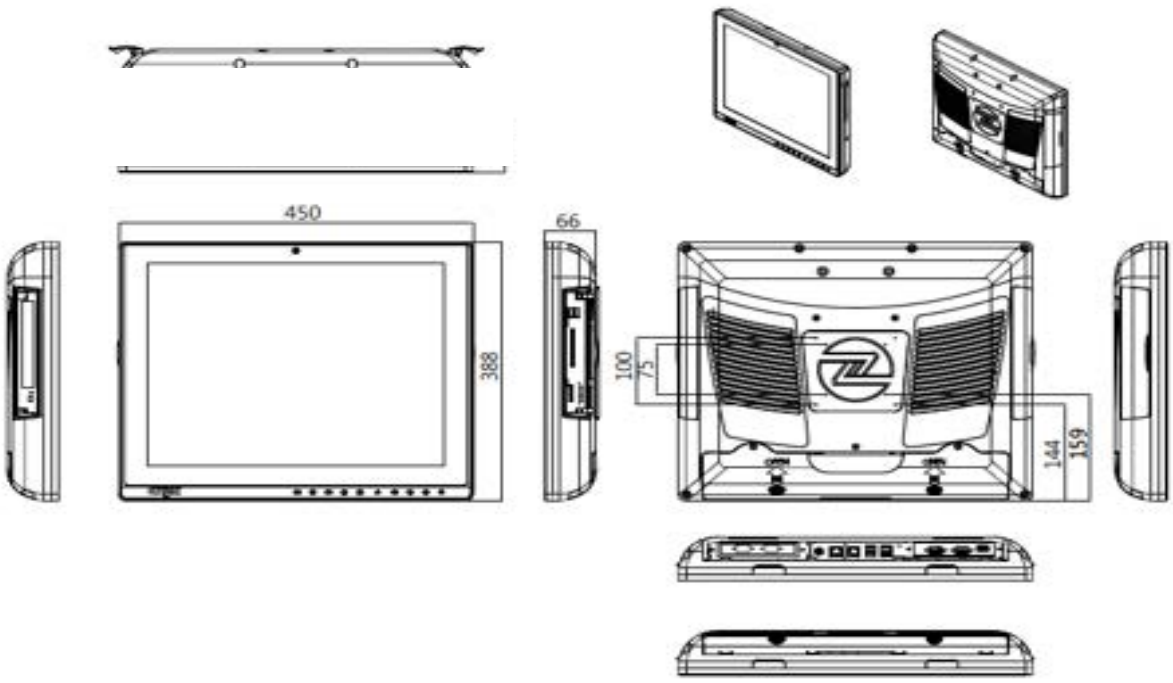
USB	USB 3.0 x 4, USB 2.0 x 2
Serial Port	RS-232 x 2
Ethernet	1.5KV Isolated Gigabit LAN x 2
Video Out	Display Port 1.2 x1, HDMI 1.4 x 1 (Supports resolution up to 3840 x 2160)
Audio	Mic-in, Line-out

Mechanical and Environmental

Operating Temperature	0°C ~ 35°C(32°F ~ 95°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Mounting VESA	75/100 mm
Degree of Protection	IP65 in the front ; IP54 in the back
Dimension	450 x 388 x 66 mm
Package Size	640 x 220 x 520mm
Gross Weight	11 kg (24.25 lb)
Net Weight	7.5kg (16.53b)
Certifications	FCC : Part 15B/ Part 18

※ All product specifications are subject to change without notice

Dimension / Unit: mm



Ordering Information

- MATE-1903ST-A11-1010
  Medical Panel PC,19" LCD,i7, DC 12V, Capacitive Touch
- MATE-1903ST-A12-1010
  Medical Panel PC,19" LCD,i5, DC 12V, Capacitive Touch

Optional Accessories

- 1255301204
  Medical Power Adapter, 120W, 12V
- 1255301206
  Medical Power Adapter, 120W, 24V
- OPM-T006-A2
  Smart Card Reader Kit
- OPM-T013-A2
  Slim Slot-in DVD-RW Drive
- OPM-C15W-A2
  WLAN Kit, IEEE 802.11ac + Bluetooth 5.1
- OPM-R03X-A1
  PCI Express[x1] Riser Kit
- OPM-S07R-A1
  RFID Reader Kit
- OPM-C02C-A1
  Two Isolated RS-232 & One Isolated USB 2.0 PCIe Card
- OPM-C02C-A2
  Two Isolated RS-232 PCIe Card
- OPM-T017-A4
  Hot Swap Rack w/Lock Kit for 2.5" HDD/SSD
- OPM-P09C-A4
  25Wh Backup Battery

MEDICAL DISPLAY FOR MEDICAL DEVICE

Worldwide Medical Safety Standard Approval

All display meets the strictest medical, safety and EMC emissions standards including
CE/FCC Class B Passed 18, EN 60601-1:2007+A1:2013+A2:2021(V3.2),EN60601-1-2:2015+A1:2021(V4.1)

Key Features

- 15”~32” Medical Grade Display
- Touch function support
- Low power consumption with LED back light panel

SMALL TO LARGE LCD DISPLAY CHOICES

The Onyx slim display offers many LCD sizes to fulfill various requirements.
15" (1024 x768), 15.6" (1920x1080), 21.5" (1920x1080), 23.8" (1920x1080),
27" (1920 X 1080/3840 x 2160)

FRABJOUS TOUCH EXPERIENCE

PCT multi-touch touchscreen solution can also be operated with gloved fingers and bare fingers alike.

GREEN AND LOW POWER CONSUMPTION

LED(light emitting diodes) backlighting technology, which offer the advantages over CCFL LCDs of reduced power consumption, better contrast, brightness and color range.

LONG TERM PRODUCT LIFE TIME SUPPORT

ONYX provides stable and long term support to our customers. Customers could focus on business promotion and product development and smooth EOL/ECN iterations

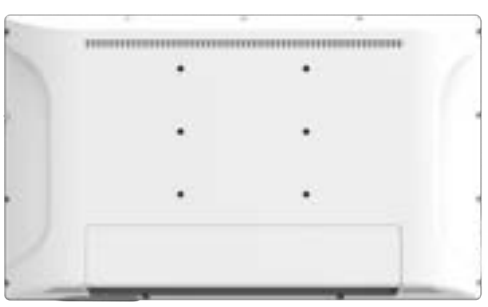
FLEXIBILITY FOR CUSTOMIZATION REQUEST TO MEDICAL EQUIPMENT

Still couldn't find the perfect match to your request? Don't worry about it.
ONYX could base your demand to provide the best solution.

Medica Display for Medical Device

MEDDP-632

32" 4K-UHD Medical LCD Monitor



Features

- 32" Display with UHD 4K (3840 x 2160) native resolution
- Thin and compact design with impact resistant screen
- Fanless and ventless design, easy-to-clean
- Wide view angle 178˚(H)/178˚(V)
- True Flat Screen with PCT Touch
- Physical buttom OSD Design
- 3G SDI in & out

Specifications

DISPLAY

Size	32"
Resolution	3840x2160 pixels
Max. Colors	1.07B Colors
Brightness (Typ.)	350 nits
Viewing Angle (CR=10)(Typ.)	178˚(H)/178˚(V)
Contrast Ratio (Typ.)	1000:1
Touch Screen	Projected Capacitive Multi Touch Screen
Power Requirement	External power adapter, AC IN: 100~240V, DC 24V/6.25A

SYSTEM

OS Support	Windows® 7, Windows® 10, Windows® 11

I/O

Input Signal	Audio-in x 1,Dual DVI x 1,DP 1.2 x 1,VGA x 1, 3G SDI x 1,HDMI 1.4 x 1,HDMI 2.0 x 1
Output Signal	Audio-out x1, DP 1.2 x1, 3G SDI x1
USB Port	USB 2.0 Type B x1 for Touch Screen
Serial Port	RS-232 x 1
GPIO	RJ-11 x 1
Speaker	Built in 5W speaker x 2
Power out	DC 5V

MECHANICAL AND ENVIRONMENTAL

Operating Temperature	0°C~35°C (32°F~95°F)
Storage Temperature	-20°C~60°C (-4°F~140°F)
Storage Humidity	10% to 90% RH, noncondensing
VESA	100mm x 200mm and 200mm x 200mm
Dimension (W/H/D)	799 x 478 x 64.7 mm
Package Size	980x260x700mm
Gross Weight	13.20kg (29.10lb)
Net Weight	11.60kg (25.57lb)
Certifications	CE: EN 60601-1-2:2015 + A1:2021 (V4.1), EN 60601-1:2007/A1:2013/A2:2021 (V3.1) FCC: Part 18 Subpart C

Ordering Information

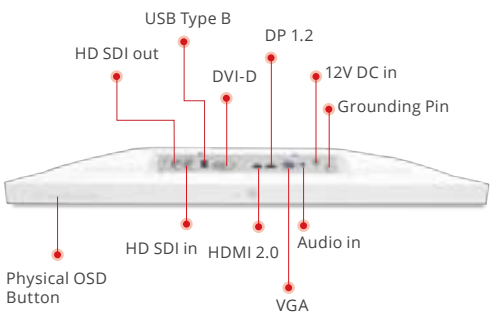
- MEDDP-632-P1-A1-0010
  32" 4K UHD.350nits LCD Monitor.3G SDIx1,VGAx1,HDMIx2.DVIx1,DPx1.P-CAP.Med Adapter, Power cord
- MEDDP-632-P1-A2-0010
  32" 4K UHD.350nits LCD Monitor.3G SDIx1,VGAx1,HDMIx2.DVIx1,DPx1.P-CAP.Med Adapter, Power cord.DICOM

※ All product specifications are subject to change without notice

Medica Display for Medical Device

MEDDP-727

27" Slim 4K Medical Display



Features

- 27" LCD Panel with 3840 x 2160 resolution
- High Brigtness 500nits
- Compact and Slim Design
- DVI-D x1, HDMI 2.0 x1, DP 1.2 x1, VGA x1, HD-SDI in x1 & out x1
- True Flat Screen with Capacitive Touch
- 10W Speaker built-in x 2
- Physical OSD key button
- Support optional RFID, Camera, DICOM

Specifications

DISPLAY

Size	27”
Resolution	UHD 3840 x 2160
Max. Colors	1.07B colors
White Luminance (Typ.)	500 nits
Viewing Angle (CR=10)(Typ.)	178˚(H)/178˚(V)
Contrast Ratio (Typ.)	1000:1
Touch Screen	Projected Capacitive Multi Touch Screen
Power Requirement	External power adapter, AC IN: 100~240V, DC 12V/7.5A

SYSTEM

OS Support	Windows® 10, Windows 11

I/O

Input Signal	DVI-D x1, HDMI 2.0 x1, DP 1.2 x1, VGA x1, HD SDI x1
Output Signal	HD SDI x1
USB Port	USB 3.0 Type B x1 for Touch Screen USB 3.0 Type A x1 for USB peripherals
Audio	Line-in x 1
Speaker	Built in 10W speaker x 2

MECHANICAL AND ENVIRONMENTAL

Operating Temperature	5°C~40°C (41°F~104°F)
Storage Temperature	-10°C~60°C (14°F~140°F)
Storage Humidity	10% to 90% RH, noncondensing
VESA	100mm x 200mm, 100mm x 100mm
Dimension (W/H/D)	657 x400 x 62mm
Packing Size (W/H/D)	786 x537x232mm
Gross Weight	11.58kg (25.53lb)
Net Weight	7.82kg (17.24lb)
Certifications	CE: EN 60601-1-2:2015 + A1:2021 (V4.1), EN 60601-1:2007/A1:2013/A2:2021 (V3.2) FCC: Part 15 Subpart B / Part 18 Subpart C

Ordering Information

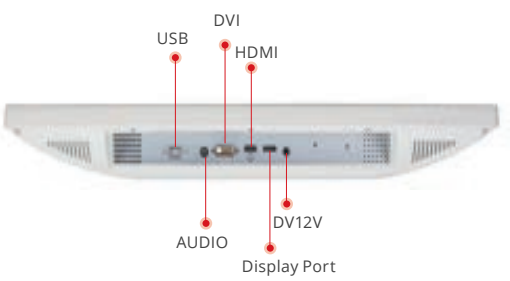
- MEDDP-727HPN-A1-1010
  27” LCD Monitor.500nits.1SDI,1DVI,1DP,1HDMI,1VGA.DC 12V Adapter.P-CAP.White
- MEDDP-727HNN-A1-1010
  27” LCD Monitor.500nits.1SDI,1DVI,1DP,1HDMI,1VGA.DC 12V Adapter.Glass.White
- MEDDP-727TND-A1-1010
  27” LCD Monitor.500nits.1SDI,1DVI,1DP,1HDMI,1VGA.DC 12V Adapter.Glass.DICOM.White
- MEDDP-727TPD-A1-1010
  27” LCD Monitor.500nits.1SDI,1DVI,1DP,1HDMI,1VGA.DC 12V Adapter.P-CAP.DICOM.White

※ All product specifications are subject to change without notice

Medica Display for Medical Device

MEDDP-627

27" Slim Medical Display



Features

- 27" LCD Panel with LEDBacklight
- Compact and Terse Design
- DVIx 1, HDMI x 1, DPx1
- Wide view angle178˚(H)/178˚(V)
- True Flat Screen with PCT Touch
- Invisible OSDDesign
- Low PowerConsumption
- DICOM as optional

Specifications

DISPLAY

Size	27"
Resolution	FHD 1920 x 1080
Max. Colors	16.7M
White Luminance (Typ.)	350 nits
Viewing Angle (CR=10)(Typ.)	178˚(H)/178˚(V)
Contrast Ratio (Typ.)	3000:1
Touch Screen	Projective capacitive touch screen (optional)
Power Requirement	External power adapter, AC IN: 100~240V, DC 12V/5A

SYSTEM

OS Support	Windows® 10, Windows® 11

I/O

Input Signal	DVI-D x1, HDMI 1.4 x1, DP 1.2 x1
USB Port	USB 2.0 Type B x1 for Touch Screen
Audio	Line-in x1
Speaker	Built in 2W speaker x2

MECHANICAL AND ENVIRONMENTAL

Operating Temperature	5°C ~ 40°C(41°F ~ 104°F)
Storage Temperature	-10°C ~ 60°C(14°F ~ 140°F)
Storage Humidity	10%~90%@35°C, non-condensing
VESA	100mm x 200mm, 100mm x 100mm
Dimension (W/H/D)	648.85 x 389.55 x 62.93 mm
Packing Size (W/H/D)	730 x 560 x 300 mm
Gross Weight	10.5kg (23.15lb)
Net Weight	8.5kg (18.74lb)
Certifications	CE: EN 60601-1-2:2015 + A1:2021 (V4.1), EN 60601-1:2007/A1:2013/A2:2021 (V3.2) FCC: Part 18 Subpart C

Ordering Information

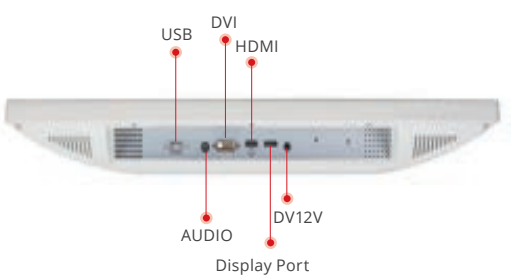
- MEDDP-627HNN-A1-1010
  27" LCD Monitor.300 nits,DVI-Dx1.HDMIx1.DPx1.DC 12V Adapter
- MEDDP-627HPN-A1-1010
  27" LCD Monitor.300 nits, P-CAP Touch,DVI-Dx1.HDMIx1.DPx1.DC 12V Adapter
- MEDDP-627TND-A1-1010
  27" LCD Monitor.300 nits,DVI-Dx1.HDMIx1.DPx1.DC 12V Adapter, DICOM
- MEDDP-627TPD-A1-1010
  27" LCD Monitor.300 nits, P-CAP Touch, DVI-Dx1.HDMIx1.DPx1.DC 12V Adapter, DICOM

※ All product specifications are subject to change without notice

Medica Display for Medical Device

MEDDP-624

23.8" Slim Medical Display



Features

- 23.8" LCD Panel with LEDBacklight
- Compact and Terse Design
- DVI x 1, HDMI x 1, DPx1
- True Flat Screen with PCT Touch
- Invisible OSD Design
- Low Power Consumption
- Audio –2 x built-in

Specifications

DISPLAY

Size	23.8"
Resolution	FHD 1920 x 1080
Max. Colors	16.7M
Brightness (Typ.)	400nits
Viewing Angle (CR=10)(Typ.)	89˚(H)/89˚(V)
Contrast Ratio (Typ.)	1000:1
Touch Screen	Projective capacitive touch screen (optional)
Power Requirement	External power adapter, AC IN: 100~240V, DC 12V/5A

SYSTEM

OS Support	Windows® 10, Windows® 11

I/O

Input Signal	DVI-D x1, HDMI 1.4 x1, DP 1.2 x1
USB Port	USB 2.0 Type B x1 for Touch Screen
Audio	Line-in x1
Speaker	Built in 2W speaker x2

MECHANICAL AND ENVIRONMENTAL

Operating Temperature	5°C ~ 40°C(41°F ~ 104°F)
Storage Temperature	-10°C ~ 60°C(14°F ~ 140°F)
Storage Humidity	10%~90%@35°C, non-condensing
VESA	100mm x 200mm, 100mm x 100mm
Dimension (W/H/D)	576.89 x 345.09 x 62.70 mm
Packing Size (W/H/D)	645 x 545 x 295 mm
Gross Weight	9.22kg (20.33lb)
Net Weight	5.91kg (13.03lb)
Certifications	CE: EN 60601-1-2:2015 + A1:2021 (V4.1), EN 60601-1:2007/A1:2013/A2:2021 (V3.2) FCC: Part 18 Subpart C

Ordering Information

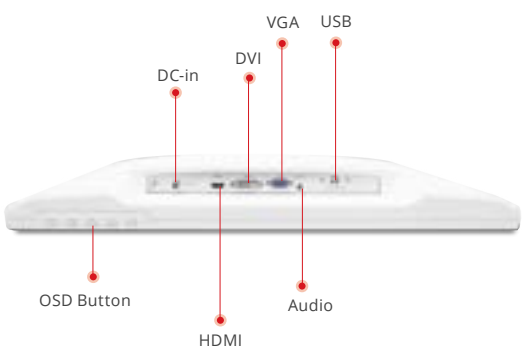
- MEDDP-624HNN-A1-1010
  23.8" LCD Monitor.400 nits,DVI-Dx1.HDMIx1.DPx1.DC 12V Adapter
- MEDDP-624HPN-A1-1010
  23.8“ LCD Monitor.400 nits, P-CAP Touch,DVI-Dx1.HDMIx1.DPx1.DC 12V Adapter
- MEDDP-624TND-A1-1010
  23.8" LCD Monitor.400 nits,DVI-Dx1.HDMIx1.DPx1.DC 12V Adapter, DICOM
- MEDDP-624TPD-A1-1010
  23.8“ LCD Monitor.400 nits, P-CAP Touch, DVI-Dx1.HDMIx1.DPx1.DC 12V Adapter, DICOM

※ All product specifications are subject to change without notice

Medica Display for Medical Device

MEDDP-822

21.5" Slim Medical Display



Features

- 21.5" LCD Panel with LED Backlight
- High Brigtness 500nits
- Compact and TerseDesign
- DVI x 1, HDMI x 1, VGAx1
- True Flat Screen with Capacitive Touch
- Speaker built-in x 2
- Physical OSD key buttom

Specifications

DISPLAY

Size	21.5"
Resolution	FHD 1920 x 1080
Max. Colors	16.7M
Brightness (Typ.)	500 nits
Viewing Angle (CR=10)(Typ.)	178˚(H)/178˚(V)
Contrast Ratio (Typ.)	1000:1
Touch Screen	Projected Capacitive Multi Touch Screen
Power Requirement	External power adapter, AC IN: 100~240V, DC 12V/3A

SYSTEM

OS Support	Windows® 10, Windows® 11

I/O

Input Signal	DVI-D x1, HDMI 1.4 x1, VGA x1
USB Port	USB 2.0 Type B x1 for Touch Screen
Audio	Line-in x1
Speaker	Built in 5W speaker x 2

MECHANICAL AND ENVIRONMENTAL

Operating Temperature	0°C ~ 35°C(32°F ~ 95°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Storage Humidity	10% to 90% RH, noncondensing
VESA	75mm x 75mm, 100mm x 100mm
Dimension (W/H/D)	526 x 324 x 54mm
Packing Size (W/H/D)	645 x 378 x 210 mm
Gross Weight	6.8kg (14.99lb)
Net Weight	5.0kg (11.02lb)
Certifications	CE: EN 60601-1-2:2015 + A1:2021 (V4.1), EN 60601-1:2007/A1:2013/A2:2021 (V3.2) FCC: Part 15 Subpart B / Part 18 Subpart C UL: ANSI/AAMI ES60601-1: 2005 & A1:2012 & A2:2021 (V3.1) cUL: CAN/CSA-C22.2 No. 60601-1:2014 (V3.1)

Optional Accessories

- 125530036A
  (AOH)(TF)Medical Power Adaptor.AC/DC.100 ~ 240V.12V.3A.36W.Adapter. ATM036T-P120(Level VI)
- 1700252001
  (AOH)(TF)DVI-D Cable.(24+1)P DVI (M).(24+1)P DVI (M).200cm
- 1704191800
  (AOH)(TF)HDMI Cable.HDMI 19P(F) Molding.HDMI 19P(M) Molding.180cm
- 1704151800
  (AOH)(TF)VGA Cable.D-Sub 15P(M) Molding.D-Sub 15P(M) Molding.180cm
- 1700031802
  AOH)(TF)Aidio Cable.3.5mm 3Pole Stereo Plug(Black).3.5mm 3Pole Stereo Plug(Green).180cm

Ordering Information

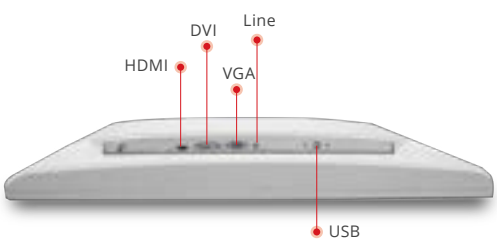
- MEDDP-822-G1-A1-0010
  Monitor. 22".500 nits.DC 12V.Glass.HDMI cable.Medical Adapter
- MEDDP-822-P1-A1-0010
  Monitor. 22".500 nits.DC 12V.P-CAP.HDMI cable.Medical Adapter

※ All product specifications are subject to change without notice

Medica Display for Medical Device

MEDDP-722

21.5" Slim Medical Display



Features

- 21.5" LCD Panel with LED Backlight
- Compact and TerseDesign
- DVI x 1, HDMI x 1, DPx1
- True Flat Screen with Capacitive Touch
- Speaker –2 x built-in
- Support 2M Camera

Specifications

DISPLAY

Size	21.5"
Resolution	FHD 1920 x 1080
Max. Colors	16.7M
Brightness (Typ.)	250 nits
Viewing Angle (CR=10)(Typ.)	178˚(H)/178˚(V)
Contrast Ratio (Typ.)	1000:1
Touch Screen	Projective capacitive touch screen (optional)
Power Requirement	External power adapter, AC IN: 100~240V, DC 12V/3A

SYSTEM

OS Support	Windows® 10, Windows® 11
Webcamt	2MP

I/O

Input Signal	DVI-D x1, HDMI 1.4 x1, VGA x1
USB Port	USB 2.0 Type B x1 for Touch Screen
Audio	Line-in x1
Speaker	Built in 5W speaker x2

MECHANICAL AND ENVIRONMENTAL

Operating Temperature	5°C ~ 40°C(41°F ~ 104°F)
Storage Temperature	-10°C ~ 60°C(14°F ~ 140°F)
Storage Humidity	10%~90%@35°C, non-condensing
VESA	75mm x 75mm, 100mm x 100mm
Dimension (W/H/D)	546 x 351 x 56 mm
Packing Size (W/H/D)	644 x 489 x 211 mm
Gross Weight	8.4kg (18.52lb)
Net Weight	5.7kg (12.57lb)
Certifications	CE: EN 60601-1-2:2015 + A1:2021 (V4.1), EN 60601-1:2007/A1:2013/A2:2021 (V3.2) FCC: Part 15 Subpart B / Part 18 Subpart C UL: ANSI/AAMI ES60601-1: 2005 & A1:2012 & A2:2021 (V3.1) cUL: CAN/CSA-C22.2 No. 60601-1:2014 (V3.1) CCC

Optional Accessories

- 125530036A
  (AOH)(TF)Medical Power Adaptor.AC/DC.100 ~ 240V.12V.3A.36W. Adapter.ATM036T-P120(Level VI)
- 1700252001
  (AOH)(TF)DVI-D Cable.(24+1)P DVI (M).(24+1)P DVI (M).200cm
- 1704191800
  (AOH)(TF)HDMI Cable.HDMI 19P(F) Molding.HDMI 19P(M) Molding.180cm
- 1704151800
  (AOH)(TF)VGA Cable.D-Sub 15P(M) Molding.D-Sub 15P(M) Molding.180cm
- 1700031802
  AOH)(TF)Aidio Cable.3.5mm 3Pole Stereo Plug(Black).3.5mm 3Pole Stereo Plug(Green).180cm

Ordering Information

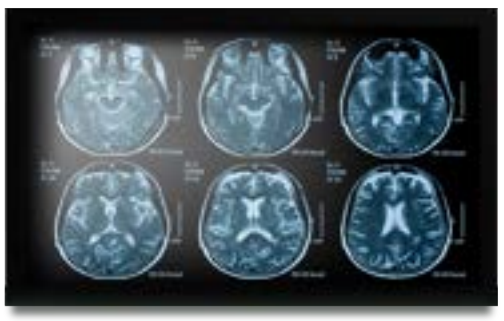
- MEDDP-722-G1-A1-0010
  Monitor. 22".250 nits.DC 12V.Glass
- MEDDP-722-G1-A2-0010
  Monitor. 22".250 nits.DC 12V.Glass.2M Camera
- MEDDP-722-P1-A1-0010
  Monitor. 22".250 nits.DC 12V.PCT
- MEDDP-722-P2-A1-0010
  Monitor. 22".250 nits.DC 12V.PCT.2M Camera

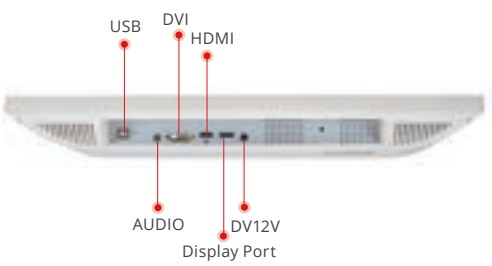
※ All product specifications are subject to change without notice

Medica Display for Medical Device

MEDDP-622

21.5" Slim Medical Display





Features

- 21.5" LCD Panel with LED Backlight
- Compact and TerseDesign
- DVI x 1, HDMI x 1, DPx1
- True Flat Screen with Capacitive Touch
- Invisible OSD Design
- Speaker –2 x built-in

Specifications

DISPLAY

Size	21.5"
Resolution	FHD 1920 x 1080
Max. Colors	16.7M
Brightness (Typ.)	350 nits
Viewing Angle (CR=10)(Typ.)	178˚(H)/178˚(V)
Contrast Ratio (Typ.)	1000:1
Touch Screen	Projective capacitive touch screen (optional)
Power Requirement	External power adapter, AC IN: 100~240V, DC 12V/5A

SYSTEM

OS Support	Windows® 10, Windows® 11

I/O

Input Signal	DVI-D x1, HDMI 1.4 x1, DP 1.2 x1
USB Port	USB 2.0 Type B x1 for Touch Screen
Audio	Line-in x1
Speaker	Built in 2W speaker x2

MECHANICAL AND ENVIRONMENTAL

Operating Temperature	5°C ~ 40°C(41°F ~ 104°F)
Storage Temperature	-10°C ~ 60°C(14°F ~ 140°F)
Storage Humidity	10%~90%@35°C, non-condensing
VESA	75mm x 75mm, 100mm x 200mm
Dimension (W/H/D)	525.30 x 320.30 x 55.90 mm
Packing Size (W/H/D)	570 x 402 x 196 mm
Gross Weight	6.4kg (14.11lb)
Net Weight	4.6kg (10.14lb)
Certifications	CE: EN 60601-1-2:2015 + A1:2021 (V4.1), EN 60601-1:2007/A1:2013/A2:2021 (V3.2) FCC: Part 18 Subpart C

Ordering Information

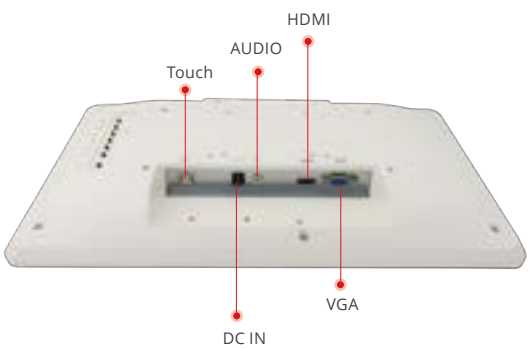
- MEDDP-622HNN-A1-1010
  21.5" LCD Monitor.350 nits,DVI-Dx1.HDMIx1.DPx1.DC 12V Adapter
- MEDDP-622HPN-A1-1010
  21.5" LCD Monitor.350 nits, P-CAP Touch,DVI-Dx1.HDMIx1.DPx1.DC 12V Adapter
- MEDDP-622TND-A1-1010
  21.5" LCD Monitor.350 nits,DVI-Dx1.HDMIx1.DPx1.DC 12V Adapter, DICOM
- MEDDP-622TPD-A1-1010
  21.5" LCD Monitor.350 nits, P-CAP Touch, DVI-Dx1.HDMIx1.DPx1.DC 12V Adapter, DICOM

※ All product specifications are subject to change without notice

Medica Display for Medical Device

MEDDP-615

15.6" Slim Medical Display



Features

- 15.6" 1920 x 1080 Resolution Display
- Projected Capacitive Multi-touch
- VGA input and HDMI input
- Stylish and elegant design

Specifications

DISPLAY

Size	15.6”
Resolution	FHD 1920 x 1080
Max. Colors	262K
Brightness (Typ.)	400 nits
Viewing Angle (CR=10)(Typ.)	170° (H)/170° (V)
Contrast Ratio (Typ.)	800:1
Touch Screen	Projective capacitive touch screen
Power Requirement	External power adapter, AC IN: 100~240V, DC 12V/3.33A

SYSTEM

OS Support	Windows® 10, Windows® 11

I/O

Input Signal	HDMI 1.4 x1, VGA x1
USB Port	USB 2.0 Type B x1 for Touch Screen
Audio	Line-in x1
Speaker	Built in 1W speaker x2

MECHANICAL AND ENVIRONMENTAL

Operating Temperature	0°C~50°C (32°F~122°F)
Storage Temperature	-10°C ~ 60°C(14°F ~ 140°F)
Storage Humidity	10%~90%@35°C, non-condensing
VESA	75mm x 75mm, 100mm x 100mm
Dimension (W/H/D)	387.8 x 232.9 x 38.4 mm
Packing Size (W/H/D)	425.3 x 269.2 x 45.6 mm
Gross Weight	5.20kg (11.46lb)
Net Weight	1.50kg (3.31lb)
Certifications	CE: EN 60601-1-2:2015 + A1:2021 (V4.1), EN 60601-1:2007/A1:2013/A2:2021 (V3.2) FCC: Part 18 Subpart C UL: ANSI/AAMI ES60601-1: 2005 & A1:2012 & A2:2021 (V3.1) cUL: CAN/CSA-C22.2 No. 60601-1:2014 (V3.1)

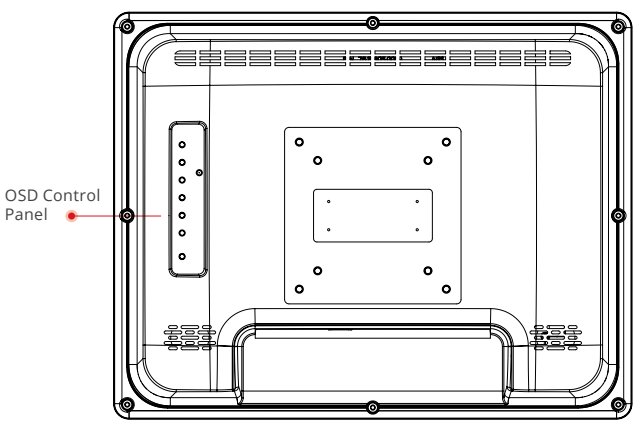
Ordering Information

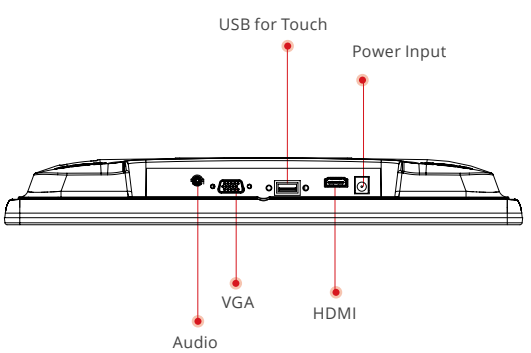
- MEDDP-615HPN-A1-1010
  15.6” LCD Monitor.300 nits.P-CAP touch,VGAx1.HDMIx1.DC 12V Adapter

Medica Display for Medical Device

MEDDP-415

15" Slim Medical Display





Features

- 15 " 1024 x 768 Resolution Display
- P-cap touch
- Stylish And Elegant Design

Specifications

DISPLAY

Size	15"
Resolution	XGA 1024 x 768
Max. Colors	16.2M
Brightness (Typ.)	300 nits
Viewing Angle (CR=10)(Typ.)	170° (H)/170° (V)
Contrast Ratio (Typ.)	700:1
Touch Screen	P-cap Touch, Protective Glass
Power Requirement	External power adapter, AC IN: 100~240V, DC 12V/3.33A

SYSTEM

OS Support	Windows® 10, Windows® 11

I/O

Input Signal	HDMI 1.4 x1, VGA x1
USB Port	USB 2.0 Type A x1 for Touch Screen
Audio	Line-in x1
Speaker	Built in 1W speaker x2

MECHANICAL AND ENVIRONMENTAL

Operating Temperature	0°C~40°C (32°F~104°F)
Storage Temperature	-20°C~60°C (-4°F~176°F)
Storage Humidity	10%~90%@35°C, non-condensing
VESA	75mm x 75mm, 100mm x 100mm
Dimension(W/H/D)	352.5 x 276.7 x 45 mm
Packing Size(W/H/D)	402.5x 326.1 x 80.0 mm
Gross Weight	3.7 kg
Net Weight	2.6 kg
Certifications	CE: EN 60601-1-2:2015 + A1:2021 (V4.1), EN 60601-1:2007/A1:2013/A2:2021 (V3.2) FCC: Part 15 Subpart B / Part 18 Subpart C CCC

Ordering Information

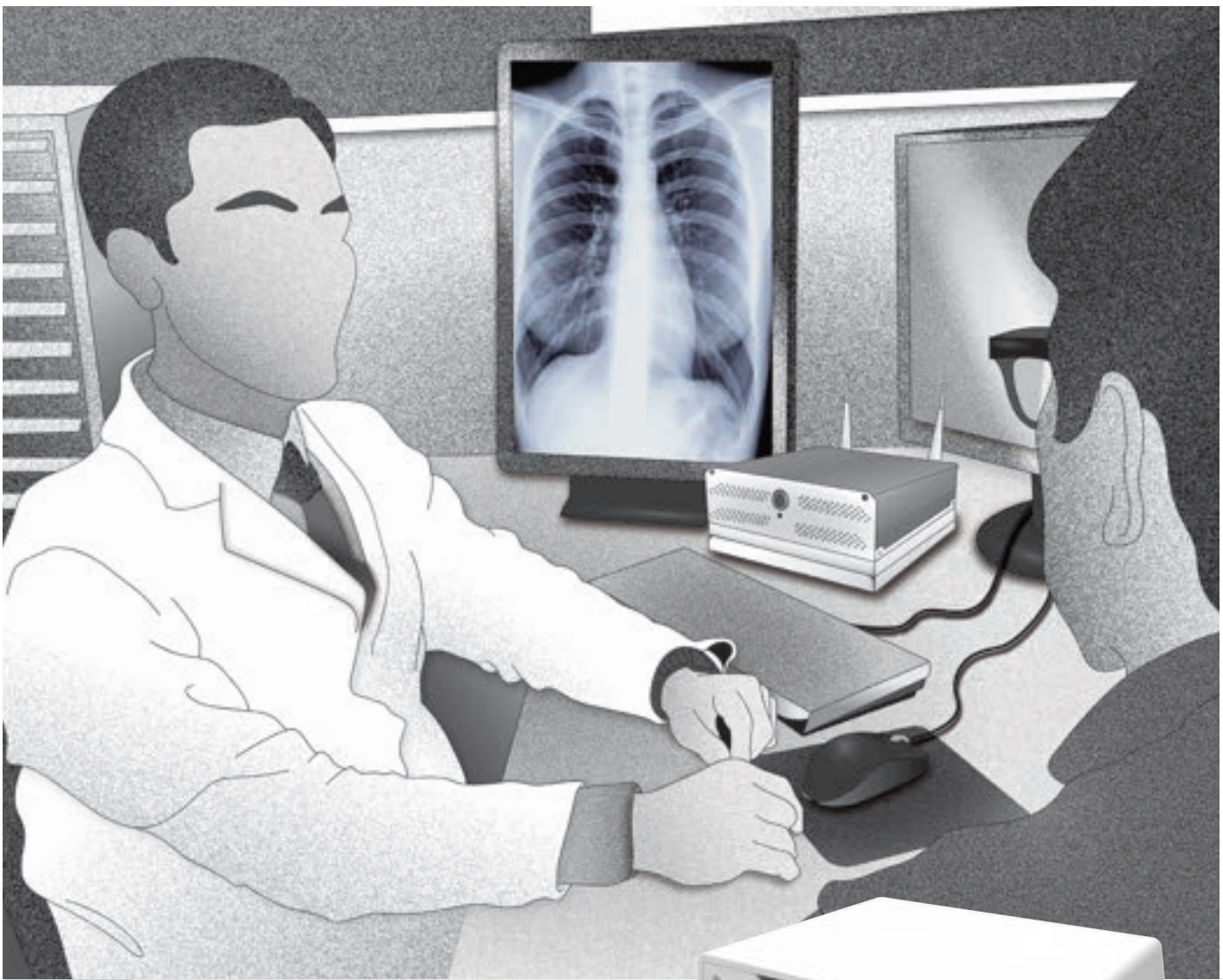
- MEDDP-415HNN-A1-1010
  15" LCD Monitor.300 nits.VGAx1.HDMIx1.DC 12V Adapter
- MEDDP-415HPN-A1-1010
  15" LCD Monitor.300 nits, P-CAP touch.VGAx1.HDMIx1.DC 12V Adapter
- MEDDP-415HPN-A2-1010
  15" LCD Monitor.300 nits, P-CAP touch.VGAx1.HDMIx1.DC 12V Adapter with CCC Certification

※ All product specifications are subject to change without notice

MEDICAL COMPUTER FOR MEDICAL DEVICE

Dependable, Ready to Use Platform for Medical Equipment & OEM/ODM

MEDPC series is designed to achieve the high requirements of Hospital IT field and medical task that a hospital has. It is fanless design ensures that it will be quiet, and stop infection spreading from hiding in the fan. It has wide selections of up-to-date upgrades, and it has 5-7 lifecycle. Best of all, this Medical Grade Computer is already medical certified just like all of our products.



Key Features

- Medical certification with high performance CPU
- Fanless design and no bacterial infection concern
- Flexible function extension ability
- Different options for different purpose

READY-TO-USE MEDICAL CERTIFIED PLATFORM

MEDPC is certified with EN 60601-1, UL 60601-1, FCC & CE Class B regulation. Detailed ISO 13485 and 14971 Risk Management Control guarantee product quality.

LATEST/CURRENT OFF-THE-SHELF PROCESSOR

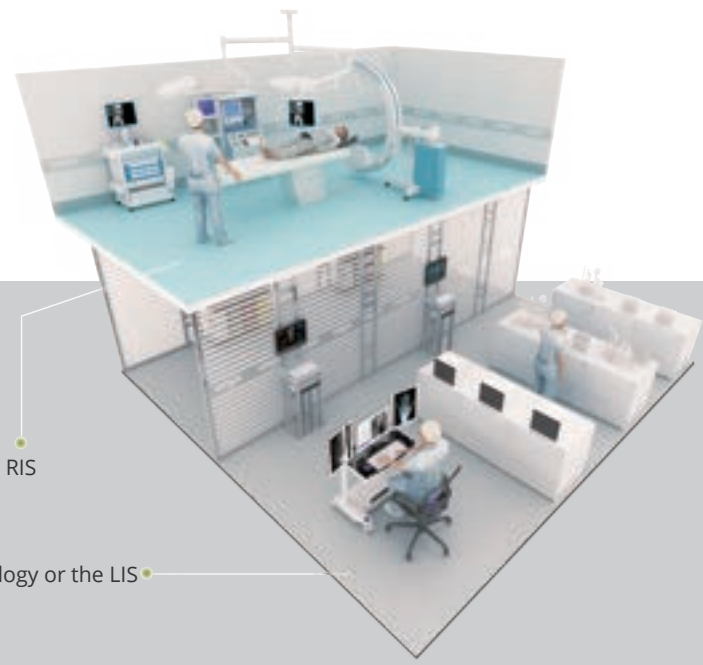
From Intel® Quad Core i7, to Atom™ series, you can choose the best processor for the system. No matter for imaging capturing, data analyzing, photo viewing, or just EMR storage, you can always find right chipset.

UNIQUE MEDICAL DEVICE FUNCTIONS

MedPC products with IP-X1 enclosure are easy to clean with detergent and water splitting proof. Isolated IO interfaces like Ethernet, COM and USB let system connect to other medical device or accessories risk free.

5-7 YEAR LONGEVITY LIFECYCLE SUPPORT

Your time and efforts can now focus on business promotions and product development. A careful design and vendor approval approach as well as scheduled reviews, inimizes unwelcome surprises during the product life cycle.




Biotechnology / Lab


His / NIS


RIS

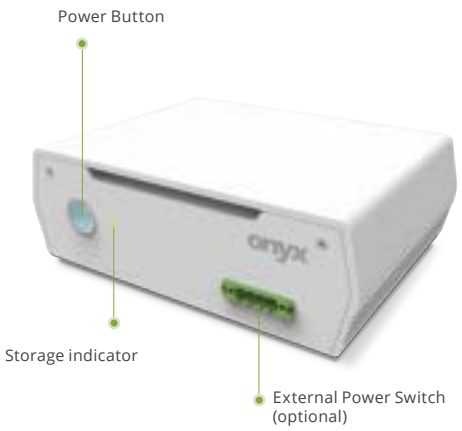

Pharmaceutical

Medical AI Box PC

MEDPC-7300

Preliminary

Ultra Slim Medical PC with Intel® Meteor Lake Processor



Features

- Intel® Meteor Lake-U Core Ultra 125U
- DDR5 4800Mhz SO-DIMM up to 32G
- 2x USB 3.2; 2x USB 2.0; 3x LAN; 1x DP 2.0
- Support TPM 2.0
- Digital IO (8-bit GPIO) (optional)
- 4k capture card (optional)
- 2x COM (optional)
- External Power Switch (optional)

Specifications

MAIN SPECIFICATION

Processor	Intel® Meteor Lake-U Core Ultra 125U
System Memory	DDR5 up to 32G
Graphics	Intel® Graphics
Storage	m.2 SSD up to 2TB
Wireless Communication	WiFi6E+BT5.3 (optional)
Speaker	2x 3W (optional)
Trusted Platform Module	TPM 2.0
OS Support	Microsoft® Windows 11 (64bit) Ubuntu 24.04 LTS IGEL 11/12 (thin client solution)

I/O

Rear IO	1x 12V DC-in power Jack (DCIN1), 2x USB3.2 (Gen.2) , 2x USB 2.0 , 1x DP 2.0 , 2x 2.5Gbps RJ-45 LAN port , 1x ground pin , 1x k-slot , 1x Digital IO (optional) , 2x COM (optional), 1x capture port – HDMI (optional) –work with SATAIII SSD only
Front IO	1x power key with LED , 1x external 4pin power switch (optional) 1x storage LED indicator

MECHANICAL AND ENVIRONMENTAL

Operating Temperature	0°C ~ 35°C(32°F ~ 95°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Dimension	180 x 133 x 60 (mm)
Net Weight	1.2kg
Package Size	305 x 225 x 230 (mm)
Gross Weight	2.4kg (5.28lb)
Certifications	CE: EN 60601-1-2: 2015 + A1: 2021 (V4.1), EN 60601-1: 2007 + A1:2013 +A2:2021 (V3.2) EN 55032:2015/A1:2020 EN55035:2017/A11:2020(ITE) IEC62368-1:2020+A11:2020 (ITE) FCC : Part 15B/ Part 18 UL: ANSI AAMI ES60601-1:2005/A1:2012/A2:2021(V3.2) cUL: CAN/CSA-C22.2 No. 60601-1:14 (IEC 60601-1: 2005+A1:2012+A2:2020,MOD) (V3.2)

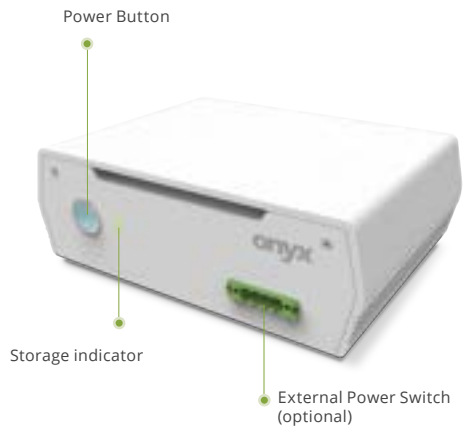
※ All product specifications are subject to change without notice

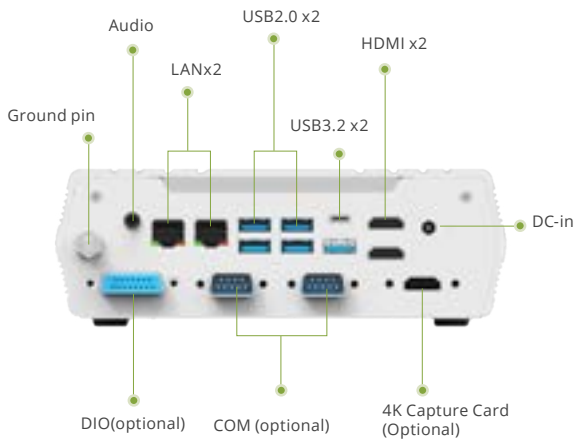
Medical Box PC

MEDPC-3300

Preliminary

Ultra Slim Medical PC with Intel® Alder Lake-N





Features

- Intel® Alder Lake-N i3-N305/N97
- DDR5 4800Mhz SO-DIMM up to 32G
- 2x USB 3.2; 4x USB 2.0; 2x LAN; 2x HDMI 2.0b;
- Support TPM 2.0
- Digital IO (8-bit GPIO) (optional)
- 4k capture card (optional)
- 2x com (optional)
- External Power Switch (optional)

Specifications

MAIN SPECIFICATION

Processor	Intel® Alder Lake-N series i3-N305/N97
System Memory	DDR5 up to 32G
Graphics	Intel® UHD Graphic
Storage	m.2 SSD up to 1TB
Wireless Communication	WiFi6E+BT5.3 (optional)
Speaker	2x 3W (optional)
Trusted Platform Module	TPM 2.0
OS Support	Microsoft® Windows 11 (64bit) Ubuntu 24.04 LTS IGEL 11/12 (thin client solution)

I/O

Rear IO	1x 12DC-in power Jack (DCIN1) , 1x USB3.2 (Gen.2) Type-A port , 1x USB3.2 (Gen.2) Type-C port , 4x USB 2.0 port , 2x HDMI 2.0b , 2x 2.5Gbps RJ-45 LAN port , 1x Audio Line-out/MIC port , 1x ground pin , 1x k-slot , 1x Digital IO (optional), 2x COM (optional) , 1x capture port – HDMI (optional) –work with SATAIII only
Front IO	1x power key with LED , 1x external 4pin power switch (optional) , 1x storage LED indicato

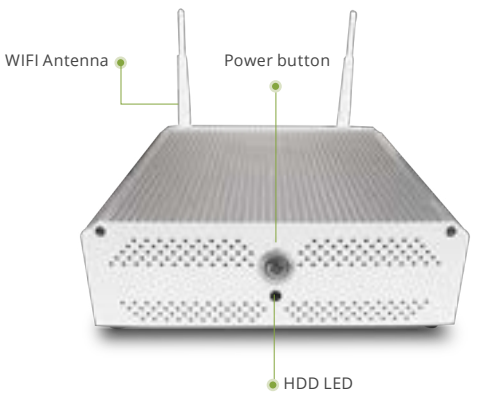
MECHANICAL AND ENVIRONMENTAL

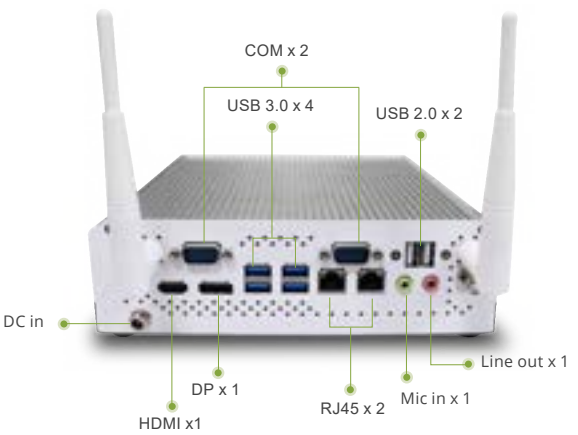
Operating Temperature	0°C ~ 35°C(32°F ~ 95°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Dimension	180 x 133 x 60 (mm)
Net Weight	1.2kg
Package Size	305 x 225 x 230 (mm)
Gross Weight	2.4kg (5.28lb)
Certifications	CE: EN 60601-1-2: 2015 + A1: 2021 (V4.1), EN 60601-1: 2007 + A1:2013 +A2:2021 (V3.2) EN 55032:2015/A1:2020 EN55035:2017/A11:2020(ITE) IEC62368-1:2020+A11:2020 (ITE) FCC : Part 15B/ Part 18 UL: ANSI AAMI ES60601-1:2005/A1:2012/A2:2021(V3.2) cUL: CAN/CSA-C22.2 No. 60601-1:14 (IEC 60601-1: 2005+A1:2012+A2:2020,MOD) (V3.2)

Medical Computer for Medical Device

MEDPC-9200

High Performance Medical Grade PC with Intel ® 6th Generation Core™ iSeries





Features

- Intel® 6/7th Generation Core i, Processor
- Supports DDR4 up to 32GB
- Extension area: PCI-Express [x1] x 1(optional)
- Two Independent , Display: DP/HDMI
- Supports TPM 2.0
- Modularize Design
- Support Inte Modivus AI card

Application

- HIS, LIS, RIS
- Pharmaceutical industry
- Biotech Lab
- Signage in hospital
- Equipment control

Specifications

MAIN SPECIFICATIONS

Processor	Intel® 7th/6th Generation Core™ i7/i5/i3
System Memory	Supports Dual Channel DDR4 SODIMM up to 32 GB
OS Support	Windows® 7, Windows® 8,Windows®10, Linux®
Extension area	PCI-Express [x1] x 1(optional)
Storage Disk Drive	2.5" SATA SSD x 1
Security	TPM 2.0
Power Requirement	DC 12V

I/O

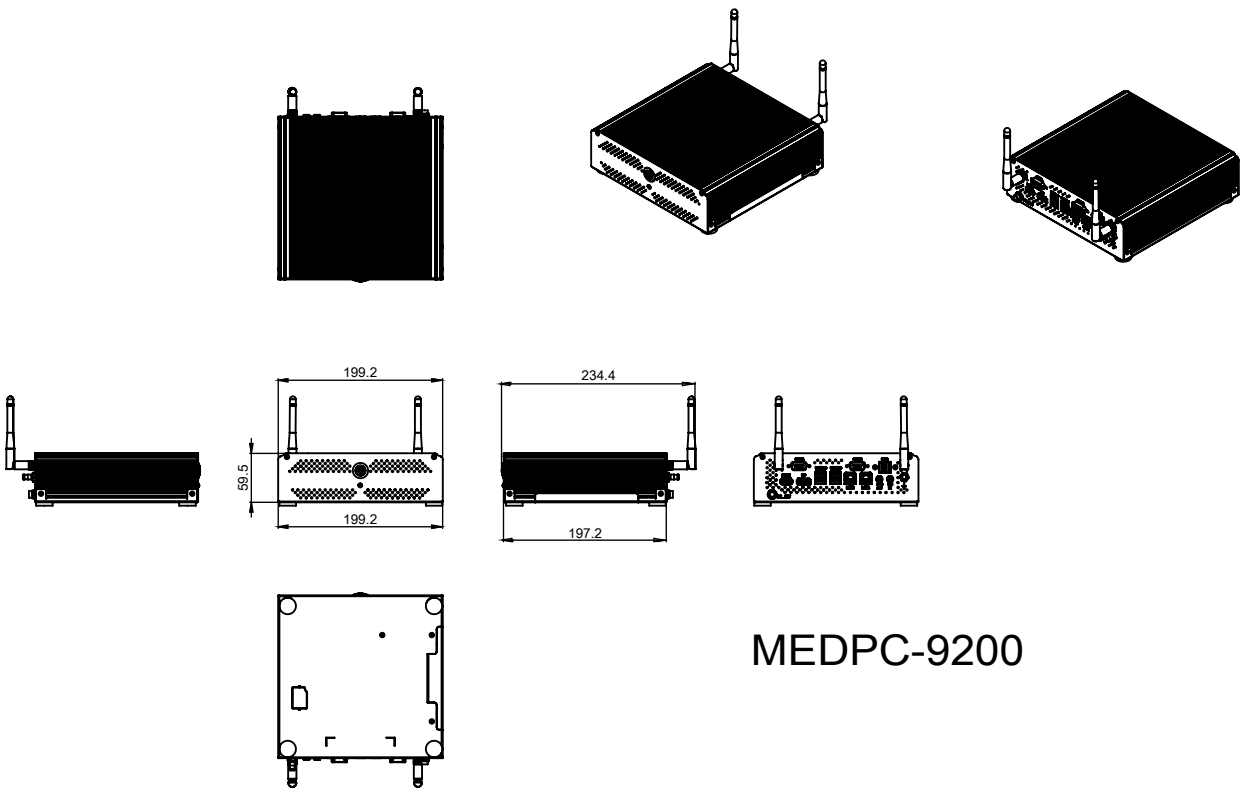
USB	USB 3.0 x 4 , USB 2.0 x2
Serial Port	RS-232 x 2
Ethernet	Gigabit LAN x 2
Video Out	Display Port x 1 (Support up to 1920 x 1200 @60 Hz) , HDMI 1.4 x 1
Audio	Mic-in, Line-out

MECHANICAL AND ENVIRONMENTAL

Operating Temperature	0°C ~ 40°C(32°F ~ 104°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Dimension	197 x 197 x 59.5 (mm) for main layer 197 x 197 x 44 (mm) for extension layers
Net Weight	2.5 kg in the single layer, 3.7 kg in two layers
Package Size	300 x 280 x 95 (mm)
Gross Weight	3.3 kg (7.25 lb) in the single layer, 4.0 kg (7.25 lb) in two layer
Certifications	CE : EN 60601-1-2: 2015 + A1: 2021 (V4.1), EN 60601-1: 2007 + A1:2013 +A2:2021 (V3.2) EN 55032:2015/A1:2020 EN55035:2017/A11:2020(ITE) IEC62368-1:2020+A11:2020 (ITE) FCC : Part 15B/ Part 18 UL : ANSI AAMI ES60601-1:2005/A1:2012/A2:2021(V3.2) cUL : CAN/CSA-C22.2 No. 60601-1:14 (IEC 60601-1: 2005+A1:2012+A2:2020,MOD) (V3.2)

※ All product specifications are subject to change without notice

Dimension / Unit: mm



MEDPC-9200

Ordering Information

- MEDPC-9200-N1-A1-0010
  Medical Box PC.i7-6700TE.Fanless.DC 12V
- MEDPC-9200-N2-A1-0010
  Medical Box PC.i5-6500TE.Fanless.DC 12V

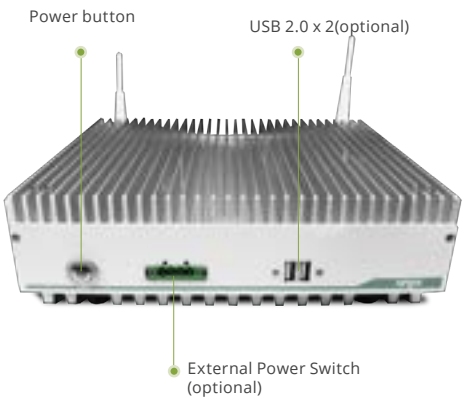
Optional Accessories

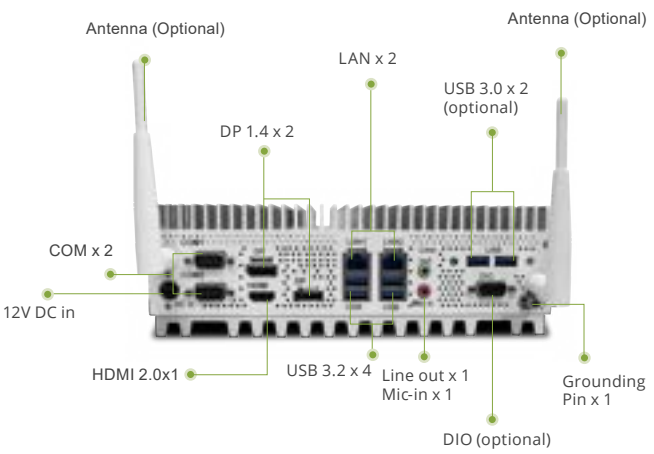
- 1255300907
  (AOH)(TF) Power Adapter.100-240Vac.50/60Hz.1.5A..12Vdc.7.5A.90W.FSP.FSP090M-RHA(w/Lock)
- OPM-C16W-A7
  WLAN Kit.802.11a/b/g/n w/BT 4.0.Atheros AR5B22
- M92-SEC-A1
  MEDPC-9200.extension area with PCIe[x1] riser
- OPM-T029-A0
  Intel modivius AI card for MEDPC-9200
- OPM-C15W-A7
  WLAN Kit.802.11a/b/g/n/ac BT 5.0 Intel AC9260

Medical Computer for Medical Device

MEDPC-9210

High Performance Medical Grade PC with Intel ® 13th Generation Core™ iSeries





Features

- Intel® 13th Gen Core i3/i5/i7/i9 Processor
- Support DDR4 DIMM up to 64GB memory
- Support TPM 2.0 for security management
- Support USB 3.2 Gen 2 Type A x 4 and USB 2.0 x2
- Support Digital IO (optional)
- Support External power switch (optional)

Specifications

MAIN SPECIFICATIONS

Processor	Intel® 13th gen Core™ i9/i7/i5/i3
System Memory	Supports DDR4 3200 SO-DIMM x 2 up to 64GB
Storage	M.2 2242 up to 2T
OS Support	Windows® 11, Linux (optional)
Storage Disk Drive	2.5" SATA SSD x 1
Security	TPM 2.0
Speaker (Optional)	3W Speaker x2 (optional)
Wireless Communication	WiFi6E+Bluetooth 5.3(optional)

I/O

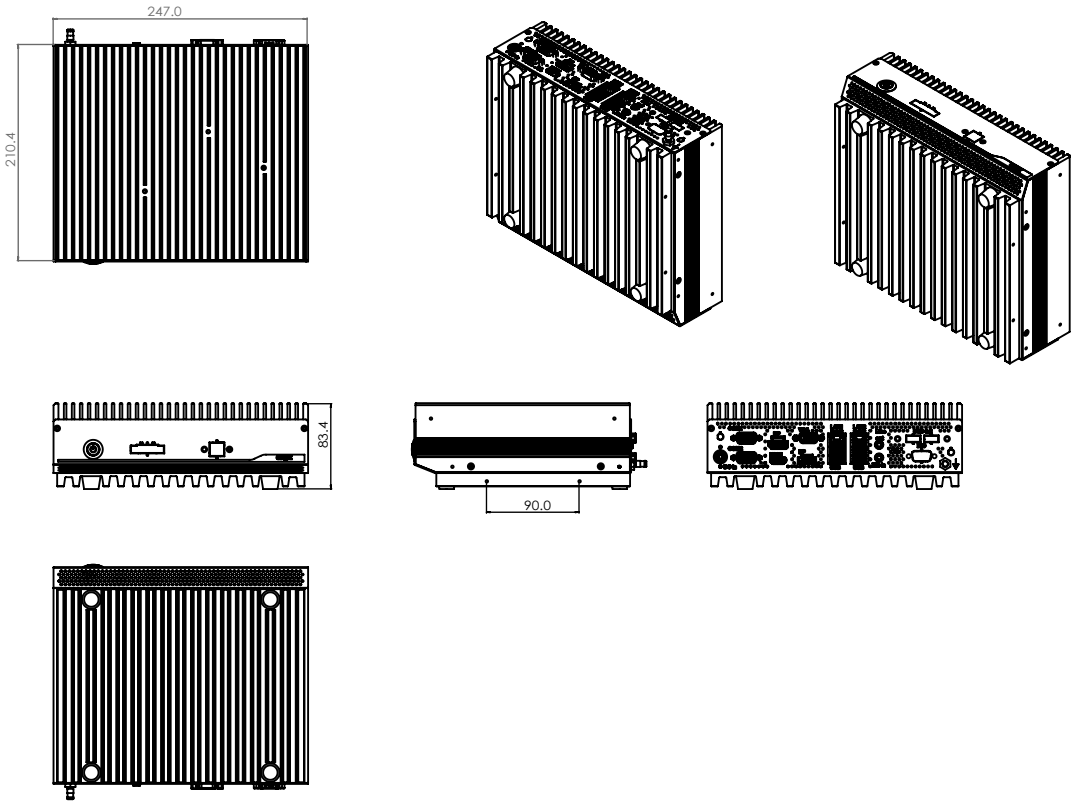
USB	(Rear) USB 3.2 Gen 2 x 4, USB 2.0 x 2
	(Rear) USB 3.0 x 2 (optional)
	(front) USB 2.0 x2 (optional)
Serial Port	RS-232 x 2
Display output	DP 1.4 x 2, HDMI 2.0 x 1
Ethernet	Gigabit LAN x 2
Video	HDMI2.0b x1 , DP1.4a x2
Audio	Mic-in x 1 , Line-out x 1
Functional Ports	Grounding Pin x 1
	Digital IO x1 (optional)
	External Power Switch (optional)
DC-in	12V DC-in x 1

MECHANICAL AND ENVIRONMENTAL

Operating Temperature	0°C ~ 35°C(32°F ~ 95°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Dimension	251 x 88 x 231 (mm)
Net Weight	4.5 kg
Package Size	365 x 355 x 300 (mm)
Gross Weight	5.7 kg
Certifications	CE : EN 60601-1-2: 2015 + A1: 2021 (V4.1), EN 60601-1: 2007 + A1:2013 +A2:2021 (V3.2) EN 55032:2015/A1:2020 EN55035:2017/A11:2020(ITE) IEC62368-1:2020+A11:2020 (ITE) FCC : Part 15B/ Part 18 UL : ANSI AAMI ES60601-1:2005/A1:2012/A2:2021(V3.2) cUL : CAN/CSA-C22.2 No. 60601-1:14 (IEC 60601-1: 2005+A1:2012+A2:2020,MOD) (V3.2)

※ All product specifications are subject to change without notice

Dimension / Unit: mm



Ordering Information

- MEDPC-9210-N35-A1-0000
  BoxPC,i5-13500TE,Fanless,adapter.2 x COM,2 x DP, HDMI,2 x LAN,Line Out,Mic ,4 x USB

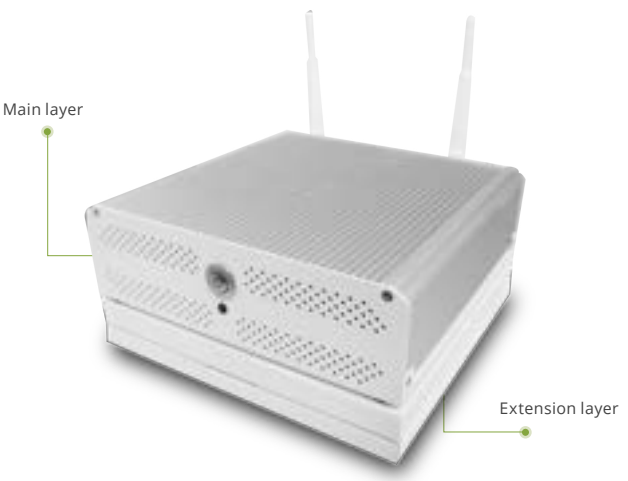
Optional Accessories

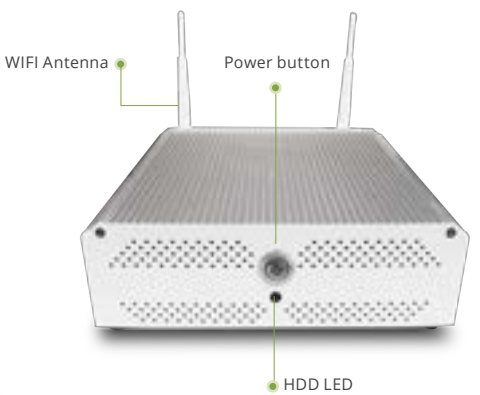
- DDR4-08G-004
  DDR4 3200 8GB RAM
- DDR4-16G-004
  DDR4 3200 16GB RAM
- OPM-C20W-A10
  WLAN Dual Band Module Kit.Intel Ax210 WiFi6E+BT5.3
- OPM-P07T-A1
  External power switch
- OPM-Y01-A1
  Digital IO
- OPM-Y01C-A1
  (Rear)USB 3.0 x2
- OPM-Y01C-A2
  (Front) USB 2.0 x2
- OPM-U02T-A1
  3W Speaker x2

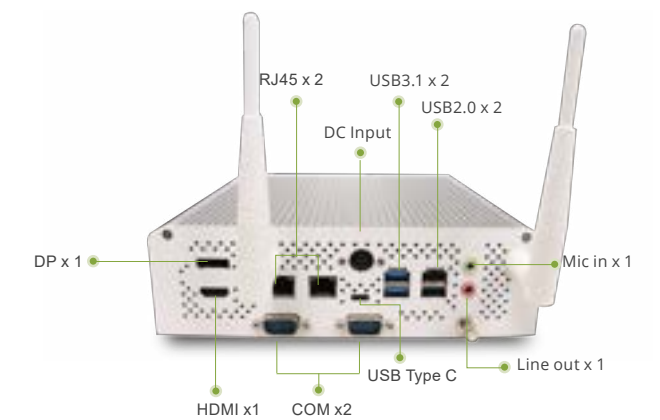
Medical Computer for Medical Device

MEDPC-9300

High Performance Medical Grade PC with AMD RyzenTM Embedded V1000







Features

- AMD Ryzen Embedded V1605B Processor up to 3.6GHz
- Supports DDR4 SO-DIMM, Max. 32GB
- AMD Vega GPU with 8 Compute Units
- Three Independent 4K Display:1x HDMI 2.0, 1x DisplayPort, 1x USB Type-C
- 1x USB 3.1 Type-C, 2x USB 3.1 Type-A
- 1x PCI Express[x8] in Extension Layer(optional)
- Supports fTPM2.0

Application

- HIS, LIS, RIS
- Pharmaceutical industry
- Biotech Lab
- Signage in hospital
- Equipment control

Specifications

SYSTEM

Processor	AMD Ryzen Embedded V1605B Processor
System Memory	DDR4 SoDIMM x2, Max. 32GB
Graphics	AMD Vega GPU with 8 Compute Units
Storage Disk Drive	2.5" SATA SSD x1
Security	fTPM2.0
Wireless Communication	802.11ac/a/b/g/n(optional), Bluetooth(optional)
Power Requirement	DC 12~24V
OS Support	Win 10 IoT Enterprise 64-bit / Linux Ubuntu 64-bit

DISPLAY

Video Out	1x HDMI 2.0, 1x Display Port 1.4, 1x USB Type-C
Display	Up to 3840 x 2160 resolution, at 60Hz
HDMI	Up to 3840 x 2160 resolution, at 60Hz

I/O

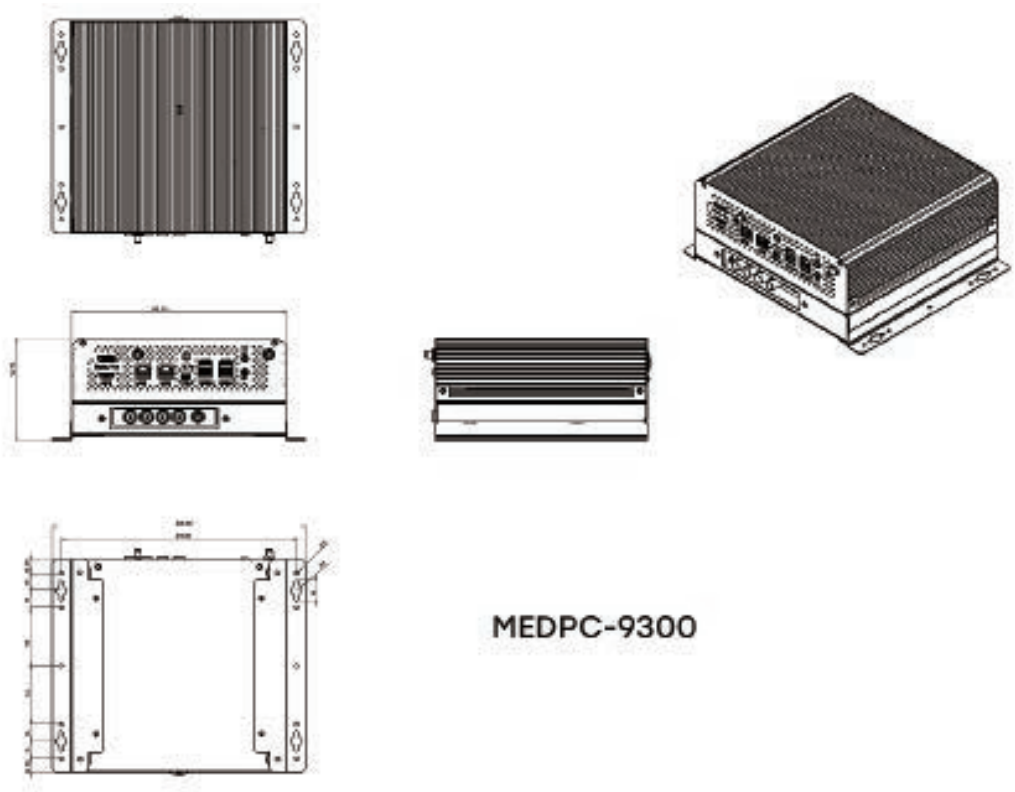
USB	2x USB 3.1 Type-A, 1x USB 3.1 Type-C, 2x USB2.0
Serial Port	2x RS-232
Audio	Mic, Line-out
LAN	2x Gigabit Ethernet
Audio Jack	Mic, Line-out

MECHANICAL AND ENVIRONMENTAL

Operating Temperature	0°C ~ 40°C(32°F ~ 104°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Dimension	197 x 197 x 59.5 (mm) for main layer 197 x 197 x 44 (mm) for extension layers
Net Weight	2.5 kg in the single layer, 3.7 kg in two layers
Package Size	300 x 280 x 95 (mm)
Gross Weight	3.3 kg (7.25 lb) in the single layer, 4.0 kg (7.25 lb) in two layer
Certifications	CE : EN 60601-1-2: 2015 + A1: 2021 (V4.1), EN 60601-1: 2007 + A1:2013 +A2:2021 (V3.2) EN 55032:2015/A1:2020 EN55035:2017/A11:2020(ITE) IEC62368-1:2020+A11:2020 (ITE) FCC : Part 15B/ Part 18 UL : ANSI AAMI ES60601-1:2005/A1:2012/A2:2021(V3.2) cUL : CAN/CSA-C22.2 No. 60601-1:14 (IEC 60601-1: 2005+A1:2012+A2:2020,MOD) (V3.2)

※ All product specifications are subject to change without notice

Dimension / Unit: mm



Ordering Information

- MEDPC-9300-N1-A1-0010
  MEDPC-9300. AMD RyzenTMEmbedded V1605B.

Optional Accessories

- 1255301205
  (AOH)(TF)Medical Power Adaptor.AC/DC.100-240V.12V.10A.120W.W/4P DIN.Adapter.ATM-P120
- M93-SEC-A1
  MEDPC-9300.extension area.
- OPM-C12W-A10
  WLAN Kit.Qualcomm Atheros.802.11ac/a/b/g/n.BT 4.1.with dual band antenna. MEDPC-9300
- OPM-C15W-A10
  WLAN Kit.802.11a/b/g/n/ac.BT 5.dual ext. antenna.Intel AC 9260NGWGIE.NV,999LV6.for MEDPC-9300

Medical Computer for Medical Device

MEDPC-2100

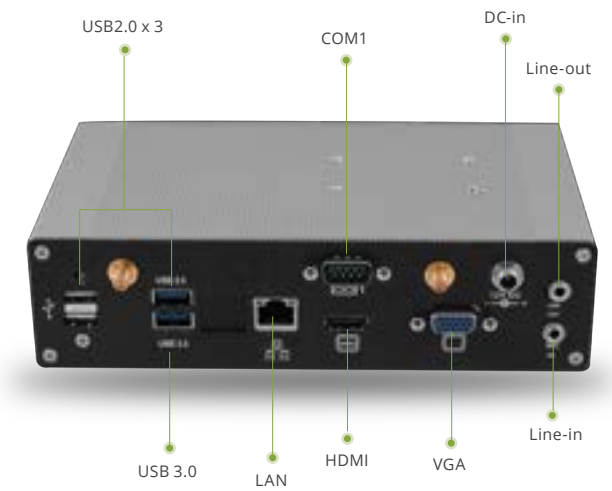
Ultra Slim Medical Grade PC with Intel Bay Trail SoC

Features

- Intel®Bay Trail J1900 (Quad Core) 2GHz
- Multiple display output support
- Fanless easy clean design
- Mini Size

Application

- HIS, LIS, RIS
- Pharmaceutical industry
- Biotech Lab
- Signage in hospital
- Equipment control



Specifications

MAIN SPECIFICATIONS

Processor	Intel® Celeron J1900 (Quad Core) 2GHz
Video Chipset	Intel® HD Graphics
Display Memory	Shared Memory
System Memory	204-pin DDR3L support to 8GB
Expansion	1 x Half size Mini Card Slot ; 1 Mini card slot
System Storage	CFAST Cardx 1
OS Support	Windows® 7, Windows® 8, Windows®10, Linux®

I/O

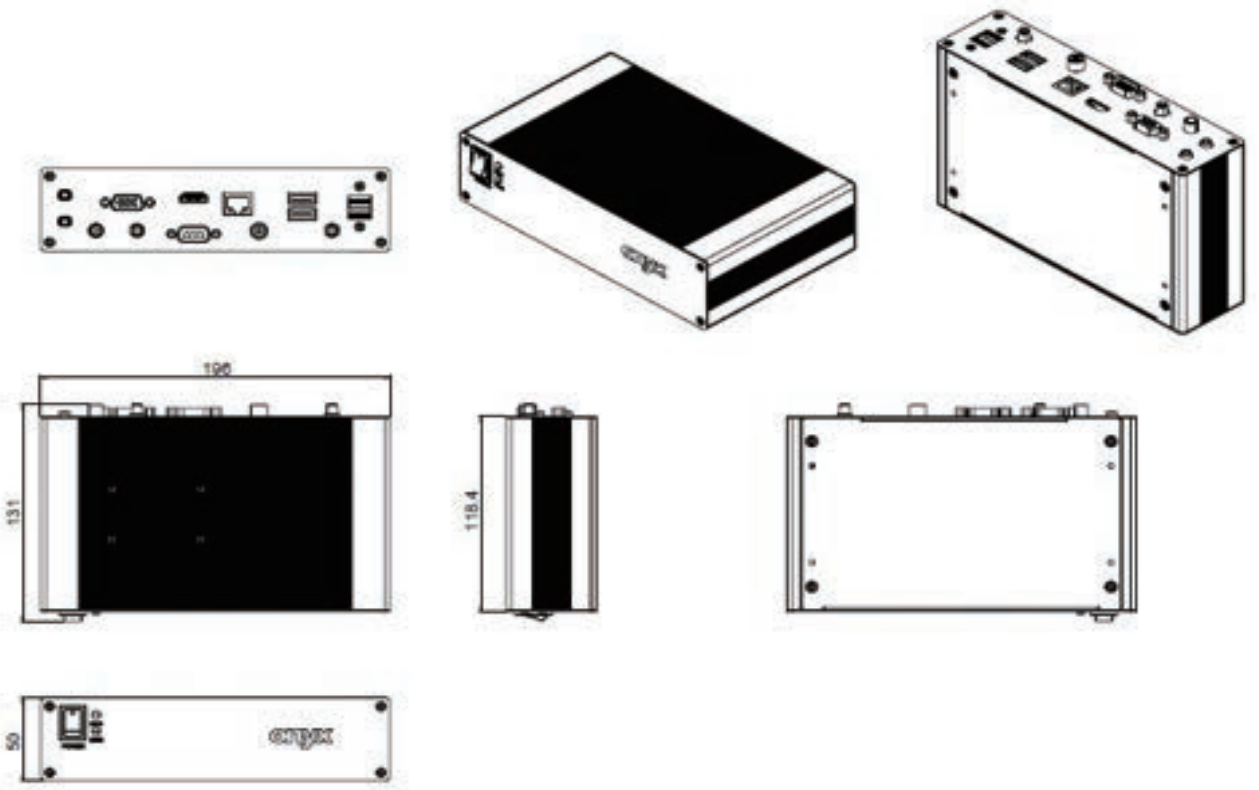
USB	USB 2.0 x 3, USB 3.0 x 1
COM Port	RS-232 x 1
Video Interface	VGA x 1, HDMI 1.4a x 1
Power Jack	DC Power Input Connector
Ethernet	GbE LAN x 1 by RJ-45
SMA Conntector	SMA Connector for WLAN antenna (removable) (optional)
Power Switch	1 Power switch botton and 2 LED indicator (HDD, SYS) (Orange Red, Green)
Audio	Line out / Line-in

MECHANICAL AND ENVIRONMENTAL

Power Consumption	Full Loading: 38.453Watts
Power Requirement	DC 12V power input
Operating Temperature	0°C ~40°C(32°F ~104°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Dimension	196 x 131 x 50 (mm)
Net Weight	1.2Kg (2.64lb)
Package Size	305 x 225 x 230 (mm)
Gross Weight	2.4kg (5.28lb)
Certifications	CE : EN 60601-1-2: 2015 + A1: 2021 (V4.1), EN 60601-1: 2007 + A1:2013 +A2:2021 (V3.2) EN 55032:2015/A1:2020 EN55035:2017/A11:2020(ITE) IEC62368-1:2020+A11:2020 (ITE) FCC : Part 15B/ Part 18 UL : ANSI AAMI ES60601-1:2005/A1:2012/A2:2021(V3.2) cUL : CAN/CSA-C22.2 No. 60601-1:14 (IEC 60601-1: 2005+A1:2012+A2:2020,MOD) (V3.2)

※ All product specifications are subject to change without notice

Dimension / Unit: mm



Ordering Information

- MEDPC-2100-A1-1010
  Emb, Sys., DC 12V, 2GB RAM, 1 LAN, 1 USB 3.0, 3 USB 2.0, 1 VGA, 1HDMI, 1 COM
- MEDPC-2100-A2-1010
  Emb, Sys.Celeron J1900.DC 12V.1 VGA,1 HDMI, 1 COM.3 USB2.0,1 USB3.0.1 LAN.4G RAM.CFast

Optional Accessories

- 1757306039
  Medical Power Adaptor.100 ~ 240V.12V.5A.60W.DC.W/ Lock.Adapter.ATM065-P120(w/core)
- OPM-C16W-A7
  WLAN Kit.Atheros AR1111.802.11b/g/n+BT 4.0.Mini Card.dual white ext. antenna.for MEDPC-2100
- OPM-C15W-A11
  WLAN Kit.802.11a/b/g/n/ac.BT 5.dual ext. antenna.Intel AC9260NGWGIE.NV,999LV6.for MEDPC-2100

Panel PC Accessory Selection

OPM-H02S
Desktop Stand

Features

- Apply to 10"~22" Slim Medical Panel PC, Medical Display.
- Spinning around high and mighty; able to bear 5kg to 12kg.
- Providing 2 mounting space in coordination with VESA standard: 75mm x 75mm and 100mm x100mm

Ordering Information

- TF-OPM-H02S-A0
  Desktop Stand, Black Color, VESA 75/100, 230mm Height
- TF-OPM-H02S-A1
  Desktop Stand, Black Color, VESA 75/100, 280mm Height

OPM-H01S
Desktop Stand

Features

- Apply to 15" ~ 24" Medical Station, Slim Medical Panel PC, Medical Display.
- Spinning around high and mighty; able to bear 5 kg to 15kg.
- Providing 2 mounting space in coordination with VESA standard:75mm x 75mm and 100mm x100mm
- The angle of view was designed adjustable for clear vision.
- Flexible angle create brand-new atmosphere of monitors.
- Up-to-date choice in the multimedia era.
- Show yourself and break the limit of environment.
- Regulate as you want to make more space.

Ordering Information

- TF-OPM-H01S
  Desktop Stand, Black Color, VESA 75/100, 265mm to 330mm Height

Accessory Selection

Panel PC Accessory Selection

OPM-H08S
Desktop Stand

Features

- Apply to 15" ~ 32" Medical Panel PC, Medical Display.
- Spinning around high and mighty; able to bear 2 kg to 12kg for A1 and 5kg to 25kg for A2
- Providing 2 mounting space in coordination with VESA standard:75mm x 75mm and 100mm x100mm
- The angle of view was designed adjustable for clear vision
- Flexible angle create brand-new atmosphere of monitors.
- Up-to-date choice in the multimedia era.
- Show yourself and break the limit of environment.
- Regulate as you want to make more space

Ordering Information

- OPM-H08S-A1
  Desktop Stand, White Color, VESA 75/100, 310mm to 390mm Height
- OPM-H08S-A2
  Desktop Stand, White Color, VESA 75/100, 385mm Height

OPM-H12A
VESA Mount Power Adapter Holder

Features

- Design for 1255301202 & 1255301204 with 120W
- Apply to 15” to 24” Medical Station, Slim Medical Panel PC
- Providing 2 mounting spaces in coordination with VESA standard: 75mm x 75mm and 100mm x 100mm

Ordering Information

» OPM-H12A-A1
VESA mount power adapter holder

Healthcare Infotainment Accessory Selection

OPM-H13A-A1
OPM-H14A-A1
Easi Wall Mount Swivel ARM

Features

- Built in "Gas Spring" for easy movement
- Cable management
- Anti-bacteria coating (optional)

Specifications

MAIN SPECIFICATIONS

	OPM-H13A-A1	OPM-H14A-A1
Feature	Long ARM	
Tile	20° up and 35° down (display) 20° up and 60° down (arm)	
Mounting Option	Wall Mount Type	
VESA	75/100mm	
Material	Aluminum alloy and plastic cover	
Pivot	180°, 370°, 270° (wall, arm, display)	
Extension	1907mm	
Capacity	1~6Kg (2.2~13.2lbs)	6~12kg (13.2~26.4lbs)

OPM-H15A-A1
OPM-H16A-A1
Easi Ceiling Mount Swivel ARM

Features

- Built in "Gas Spring" for easy movement
- Cable management
- Anti-bacteria coating (optional)

Specifications

MAIN SPECIFICATIONS

	OPM-H15A-A1	OPM-H16A-A1
Feature	Ceiling Mount	
Tile	20° up and 35° down (display) 20° up and 60° down (arm)	
Mounting Option	Cell Mount Type	
VESA	75/100mm	
Material	Aluminum alloy and plastic cover	
Pivot	270°, 370°, 270° (ceiling, arm, display)	
Extension	1927mm	
Capacity	1~6Kg	6~12kg

※ All product specifications are subject to change without notice

Accessory Selection

Healthcare Infotainment Accessory Selection

OPM-H04A

Ergonomic Wall Mount Swivel ARM

Features

- Durable and easy to clean
- Double Gas springs assisted for high vertical movement
- Fully cable managed

Specifications

MAIN SPECIFICATIONS

Feature	Long ARM
Tile	20° up and 40° down
Mounting Option	Wall Mount Type
Material	Aluminum alloy and plastic cover
Arm swivel	180°
Overall reach	1700mm
Capacity	1~8Kg

OPM-T018

Smart VOIP Handset

Features

- Extend Onyx Bedside Services closed to the Patients
- Foil keyboard designed for easy cleaning and infection control
- Integrate the hall sensor for auto detection of on and off hook event
- Lockable socket designed for the lost prevention
- Sample code and API available for easy programming of
- key mapping for different field applications

Specifications

MAIN SPECIFICATIONS

Interface	USB 2.0 with RJ45 Socket
Connection Cable	41cm Curly Cable with RJ45 Plug
On-hook Key	x1
Off-hook Key	x1
Numeric Keypad	1, 2, 3, 4, 5, 6, 7, 8, 9, 0, *, #
Multimedia Keypad	Home, TV, Back, Channel Up, Channel Down, Volume Up, Volume Down, OK
Hall Sensor	x1
Loudspeaker	x1
Microphone	x1
Camera	2 Megapixels x1 (Optional)
Nurse Call Button	x1 (By Request)
Operating Temperature	0°C ~ 40°C(32°F ~ 104°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Storage Humidity	10%~95%@35°C, non-condensing
Dimension	54.6(W) x 160(H) x 34.5(D) mm
Net Weight	Approx. 105g

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