

Onyx Medical Product Portfolio

2000

1st Surgical Workstation
-ZEUS Series



2002

Intelligent OR/PACS

Diagnostics
Patient Monitoring

Mobile Nursing
Patient Engagement

2013

FDA Registered Facility



2016

CLOROX
Compatible



2018

Android AIO
10.1" / 12" / 15.6"



Battery x 2
Mobile AIO



XEON
Medical Workstation



i7 Fanless
11.6" Tablet



XEON
Medical Server



Specifications



Model	MD116	MD116i	MD101
Processor	Intel® Apollo Lake N4200 1.10GHz Processor	Intel® Skylake i5-6200U 2.3 GHz Processor	Intel® Cherry Trail Z8350 1.44 GHz Processor
System Memory	DDR3L 50-DIMM x1, Default 4 GB (Up to 8 GB)	DDR4 50-DIMM x1, Default 4 GB (Up to 8 GB)	DDR3L 2 GB
OS Support	Microsoft® Windows 10 IOT LTSB	Microsoft® Windows 10 IOT LTSB	Microsoft® Windows 10 IOT LTSB / Android 6.0
Storage	M.2 Interface x1, Default 64 GB		128 GB eMMC Flash
Wireless	802.11 a/b/g/n + BT 4.0		802.11 a/b/g/n + BT 4.0
Camera	2 MP (Front) / 5 MP with Flash (Rear)		2 MP (Front) / 8 MP (Rear)
Touchscreen	Projected Capacitive Touchscreen w/ Gorilla Glass		Projected Capacitive Touchscreen w/ Gorilla Glass
Speakers	2 W x 1		3 W x 2
Internal Mic	x 1		x 1
Display	11.6", 1920 x 1080, 600 nits		10.1", 1920 x 1200, 300 nits
I/O	USB 3.0 x 1, USB 2.0 x 1, Gigabit LAN x 1, DC-In x 1, Docking Connector x 1		USB 3.0 x 1, Audio Jack x 1, DC-In x 1, Micro HDMI x 1 (optional)
Battery Pack	7.2 V 4545 mAh Li-ion Twin Swappable battery, 8 hrs	7.2 V 4545 mAh Li-ion Twin Swappable battery, 3.5 hrs	Li-ion, 11.4 V / 4090 mAh, Approx. 8 hrs
Dimension	312 [W] x 239 [H] x 37 [D] mm		260 [W] x 186 [H] x 23 [D] mm
Net Weight	Approx. 1.45-1.8 kg		Approx. 1 kg



Model	MPAD-800	J07	J05
Processor	ARM Cortex Quad-Core, 1.6 GHz	ARM Cortex-A53, 1.3 GHz	ARM Cortex-A53 Octa-Core, 1.3 GHz
System Memory	2 GB SDRAM	2 GB RAM	2 GB RAM
OS Support	Android 6.0.1	Android 5.1	Android 5.1
Storage	16 GB eMMC Flash	16 GB eMMC Flash	16 GB eMMC Flash
Wireless	802.11ac + BT 4.0	802.11ac + BT 4.0	802.11ac + BT 4.0
Camera	2 MP (Front) / 8 MP with Flash (Rear)	2 MP (Front) / 8 MP with Flash (Rear)	2 MP (Front) / 8 MP with Flash (Rear)
Touchscreen	Projected Capacitive Touchscreen	Projected Capacitive Touchscreen	Projected Capacitive Touchscreen
Display	8", 1280 x 800, 300 nits	7", 1280 x 720, 650 nits	5", 1280 x 720, 500 nits
I/O	Type-A USB 2.0 x 1, Type-C USB 2.0 x 1, Phone Jack x 1, Micro SD x 1, DC-In Jack x 1	Micro USB OTG x 1, Micro SD x 1, DC-In Jack x 1	Micro USB OTG x 1, Micro SD x 1, DC-In Jack x 1
Battery Pack	7.4 V 4540 mAh Li-ion battery, 8 hrs	3.7 V 5300 mAh Li-ion removable battery, 20 hrs	3.7 V 3900 mAh Li-ion removable battery, 20 hrs
Dimensions	136.6 [W] x 219 [H] x 21 [D] mm	212.4 [W] x 132.8 [H] x 19 [D] mm	85.9 [W] x 163.2 [H] x 22.5 [D] mm
Net Weight	0.67 kg [1.48 lb]	0.55 kg	0.315 kg

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Onyx Ultraportable Healthcare Mobility Family

MD116 / MD101 / MPAD 800 / Julia J07 / Julia J05

www.onyx-healthcare.com

onyx
Smart Healthcare an ASUS assoc. co.

MPAD 800

8" Medical Tablet



Water/Drop Proof & Fanless Operation

The IP54 waterproof and drop resistant enclosure in addition to a fanless design means there are no cooling vents which simplifies disinfection, extends product lifetime, and provides quiet operation around patients.



Built-in Type A USB Port

A built-in Type-A USB port offers easily connects to various portable diagnostic peripherals such as blood glucose monitoring systems and pulse oximeters for telehealth, home health, and clinical use.



Built-in Cellular Communication

Real-time on the go patient monitoring for home health or telehealth applications is possible with built-in Verizon certified LTE module support for GSM SIM cards that is also ideal for use with healthcare providers servicing patients and LTC residents.



Shift Ready Battery Life

An 8-10 hour operating time means healthcare workers don't need to worry about battery life or having to change batteries in the middle of their shift. A single or multiple slot charging dock is available for nurses station charging or individual patient use within home health or telehealth settings.



Medical Grade Device Safety

UL/EN60601 and CE/FCC Class B certification guarantees patient safety by preventing potential interference with patient implanted electronic devices and medical electronic devices nearby.



JULIA MPDA

5" / 7" PDA (mPDA)



Pocket Sized

mPDA screen sizes (5" & 7") are designed to fit into HCP's pockets



Long Battery Life

The battery provides 12 hours of uninterrupted power, even under heavy use



Scalable

Functional scalability built-in to suit the requirements of any medical application



Easily Sanitized

Enclosure is easily sanitized with commonly used disinfectants



Android OS

Uses the world's most popular Android OS so HCPs can select from a wealth of healthcare applications ranging from Health Record Access to Clinical Decision Making



Security

To ensure that only authorized users are able to access mPDA control, both the fingerprint reader and an RFID reader are available for identification purposes

J05/J07

MD116

12" Rugged EMS Tablet



Inspired by Paramedics - Designed for EMS

The elastomer coated easy-grip handle and quick release docking system provide convenient one-handed operation while integrated dual smart card readers and high resolution camera aid in automatically documenting patient data.



Superior Wireless Connectivity

Built-in dual LTE support doubles bandwidth to ensure stable data connectivity and zero data loss while RF antennas built into the handle overcome shielding issues from the magnesium alloy chassis to increase RF performance.



Continuous and Reliable Power Supply

Continuous and reliable power is supplied via compact, lightweight and easy to change dual hot-swappable batteries that can be charged in as little as two hours and include LED indicators that show the exact power level on each battery pack in real time while spare battery packs can be easily charged with the docking system's wide DC-in power range.



Ready for Extreme Environments

The fanless sunlight readable IP54 magnesium alloy chassis with elastomer edge and scratch-resistant Gorilla Glass touchscreen is EN / UL 60601-1 and EN1789 certified for safe use in medical environments and vehicles and includes a built-in intelligent docking station cooling system that automatically detects excessive battery pack temperatures and quickly returns them to safe levels.



MD101

10.1" Portable Medical Gateway



Designed for Healthcare Mobility

The MD101 features a compact and slim design that makes it easy to hold in one hand, while its optimized battery pack provides eight to ten hours of non-stop operation and IP54 protection and three-foot drop proof durability give users peace of mind.



Superior Display for Enhanced User Experience

The projected capacitive touchscreen offers high brightness and FHD resolution for superior readability of medical images and charts with instant feedback to increase operational efficiency, and a 7H hardened Gorilla Glass that resists scratches and protects against damage, all while functioning with 3-layer glove detectability.



Engineered for Versatile Field Installations & Connections

A standard USB Type-A connector is provided for easy connection with various portable diagnostic devices and a specially designed dedicated VESA cradle allows the MD101 to be easily installed in a variety of environments in support of medical applications and can be quickly docked and released when needed while remaining secure with a hidden release latch for loss prevention.



Alarm Light and Loud Speakers for Emergency Alerts

Built-in multi-colored LEDs can be used to indicate different alarm levels in emergency situations, and high quality 3-watt stereo speakers are well-suited for loud audio notifications when necessary.



Medical Grade (IEC 60601-1) Certified

The MD101 is specifically designed to comply with the highest certification standards for medical grade devices so you can be confident of its quality, ruggedness, and stability no matter what environment it is used in or under what stresses it must perform.



Telehealth



Clinical Workflow Assistant



EMS ePCR Flow



Medical Device Remote Control