

AI Hardware Solution

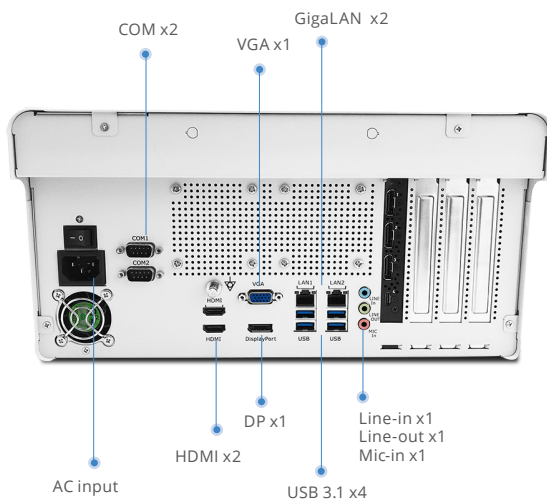
ACCEL-VM500

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



Power button

USB 2.0 x2 /
USB 3.0 x2 (optional)



COM x2

VGA x1

GigaLAN x2

AC input

HDMI x2

DP x1

Line-in x1
Line-out x1
Mic-in x1

USB 3.1 x4

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
- Support 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(Optional)
	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

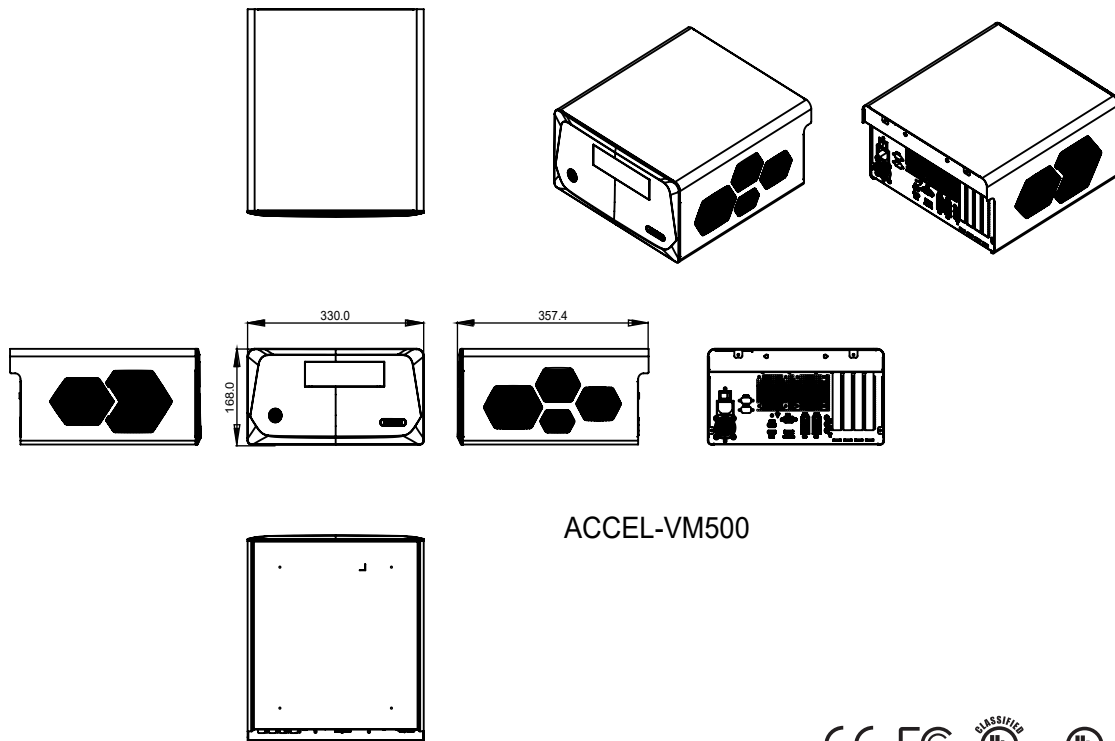
MECHANICAL AND ENVIRONMENTAL

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)
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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
- 968666685
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
- 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