

AI Hardware Solution

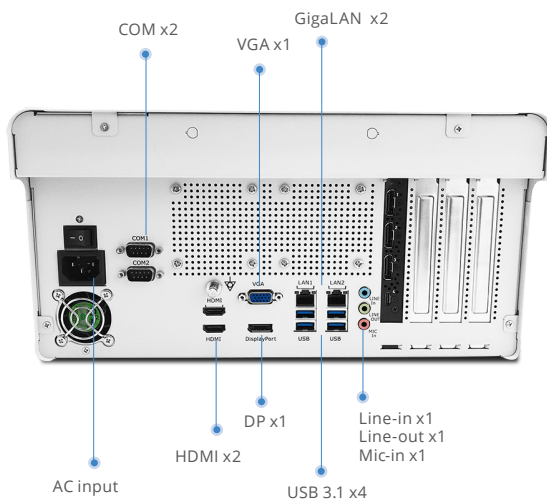
# ACCEL-VM500

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

USB 3.1 x4

Line-in x1

Line-out x1

Mic-in x1

## 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

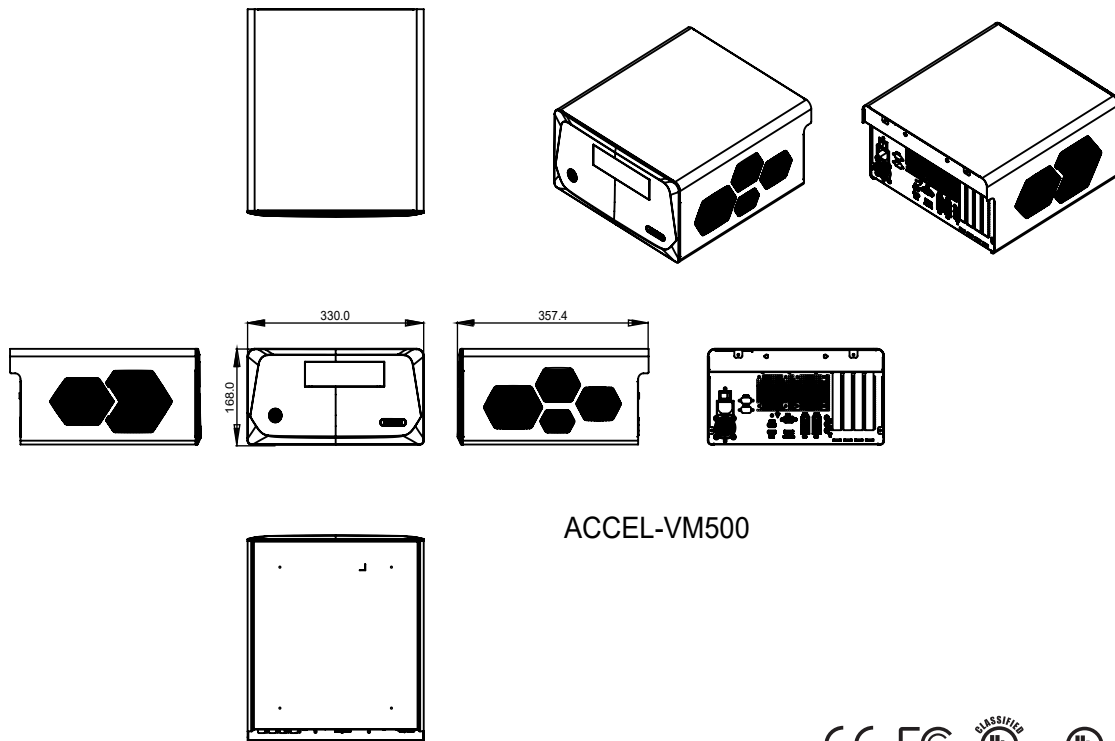
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|-------------------------|---|
| USB                     | Rear USB 3.1 Gen 1 x 4  |
|                         | Front USB 2.0 or USB 3.0(Optional)  |
|                         | Rear USB 3.1 Gen 2 x 6(Optional)  |
| Ethernet                | Gigabit 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<br>PCIe 3.0[x16] x1, PCIe 3.0 [x4] x2, PCIe 3.0 [x1] x 1 |
| Capture card (optional) | 4Kp60: HDMI 2.0 in<br>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)<br>EN 60601-1: 2007 + A1:2013 +A2:2021 (V3.2)<br>FCC: Part 15B/ Part 18<br>UL: ANSI/AAMI ES60601-1:2005 & A1:2012 & A2:2021 (V3.2)<br>cUL: CAN/CSA-C22.2 No. 60601-1:14 (IEC 60601-1: 2005+A1:2012+A2:2020, MOD) (V3.2)<br>ITE: EN5032:2015/A1:2020<br>EN5035:2017/A1:2020<br>IEC62368-1:2020+A11:2020 |

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

### Dimension / Unit: mm



### 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

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>● OPM-C12W-A13<br/>WLAN Kit.802.11a/b/g/n/ac.w/BT 4.1.dual ext. antenna.<br/>Qualcomm Atheros NFA364A.for ACCEL-VM500</li> <li>● OPM-C15W-A13<br/>WLAN Kit.802.11a/b/g/n/ac.BT 5.dual ext. antenna.<br/>Intel AC 9260NGWGIE.NV,999LV6.for ACCEL-VM500</li> <li>● 9686666685<br/>4k HDMI capture card.2 Port.HDMI2.0</li> <li>● 9686015601<br/>Full HD PCIe Video.Capture Card. 1×HDMI, 1×DVI-I, 1×YPbPr,<br/>1×SDI, 1×CVBS, 1×S-Video</li> </ul> | <ul style="list-style-type: none"> <li>● A50-SEC-A1<br/>Second 2.5" HDD/SSD kit .for ACCEL-VM500</li> <li>● A50-SPK-A2<br/>5W Internal Speaker kit.for ACCEL-VM500</li> <li>● 9686A40000<br/>(AOH)(TF)Graphics Card.NVIDIA Quadro RTXA4000.16GB.GDDR6.<br/>PCI-E 4.0*16.DP 1.4.NVIDIA.RTX A4000</li> <li>● 9686A50000<br/>(AOH)(TF)Graphics Card.NVIDIA Quadro RTXA5000.24GB.GDDR6.<br/>PCI-E 4.0*16.DP 1.4.NVIDIA.RTX A5000</li> <li>● 9686A60000<br/>(AOH)(TF)Graphics Card.NVIDIA Quadro RTXA6000.48GB.GDDR6.<br/>PCI-E 4.0*16.DP 1.4.NVIDIA.RTX A6000</li> </ul> |
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