

AI Hardware Solution

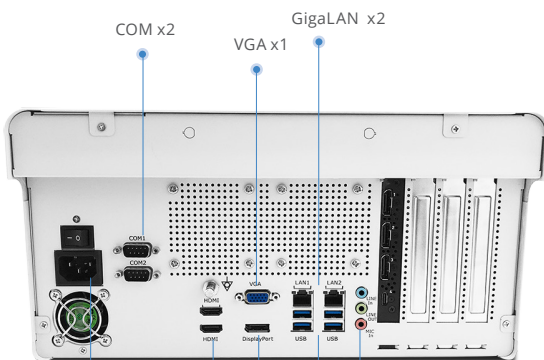
# ACCEL-VM500

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

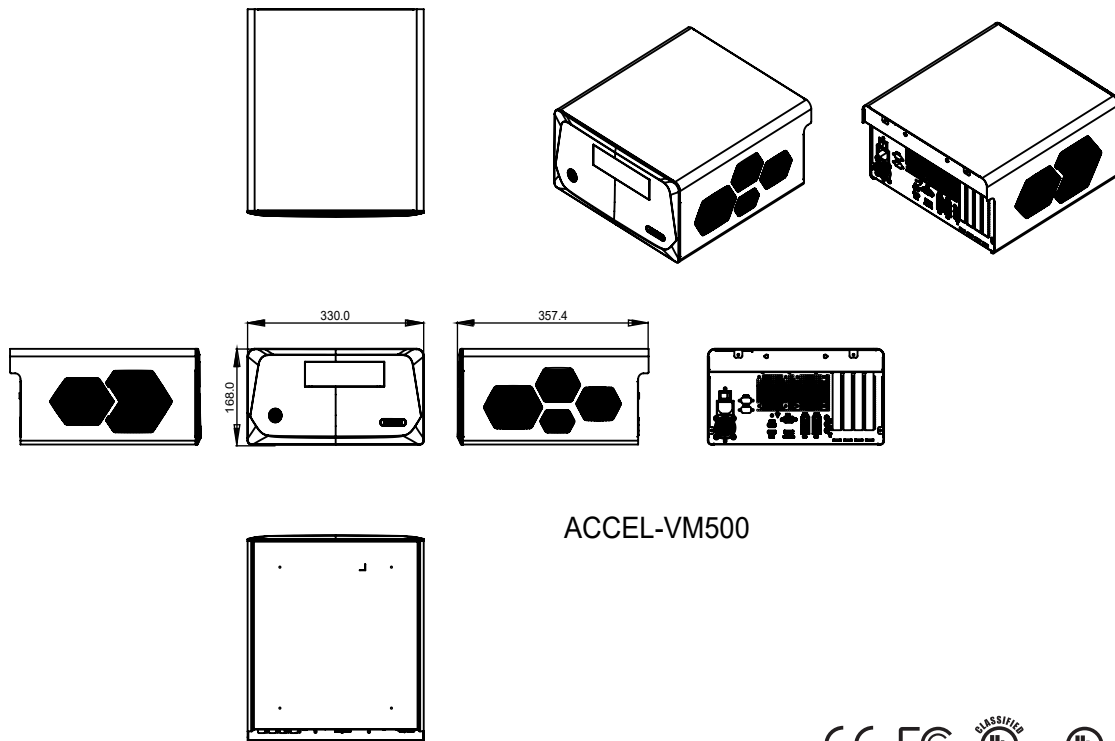
USB	Rear USB 3.1 Gen 1 x 4
	Front USB 2.0 or USB 3.0(Optional)
	Rear USB 3.1 Gen 2 x 6(Optional)
Ethernet	Gigabit LAN x 2
Audio	Line-in x 1, Mic-in x 1 and Line-out x 1
Serial Ports	RS-232 x 2
Extension area	M.2 E Key 2230 x 1 for Wireless module PCIe 3.0[x16] x1, PCIe 3.0 [x4] x2, PCIe 3.0 [x1] x 1
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 x357.4 x168 mm
Package Size	500 x 490 x 300 mm
Gross Weight	8.6 kg
Net Weight	8 kg

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

### Dimension / Unit: mm



### Ordering Information

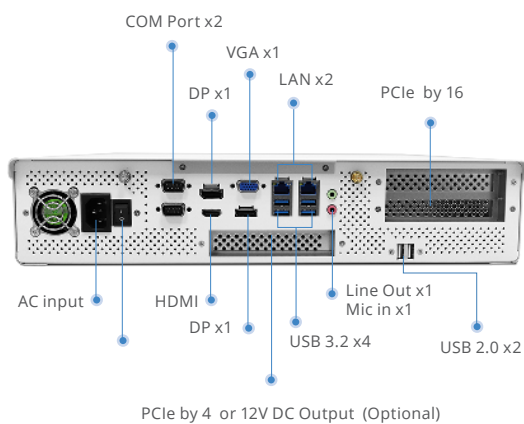
- ACCEL-VM500-N1-A1-0010  
Medical Box PC.I7-9700E.FAN.4PCIe slot.AC 100~240V.White
- ACCEL-VM500-N2-A1-0010  
Medical Box PC.E-2278GE.FAN.4PCIe slot.AC 100~240V.White
- ACCEL-VM500R-N1-A1-0010  
4K UHD Medical Recorder.i7-9700E.Fan.16GB RAM.1TB HDD.Win 10 IoT.4Kp60+FHD.  
ACCE-RM Pre-installed

### Optional Accessories

- 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

# ACCEL-VM300

Slim Size Medical AI Computing Platform with Intel® 12th generation Core I Processor



## Features

- Design for 2U Rack mount Chassis
- Intel 12 Gen Core i9 Processor
- Support 2.5" SATA SSD x 2 and M.2 M Key NVMe x 2
- Internal Medica 500W PSU
- Support 1 x PCIe by 16 slot for Grphic card integration
- 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® 12th 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

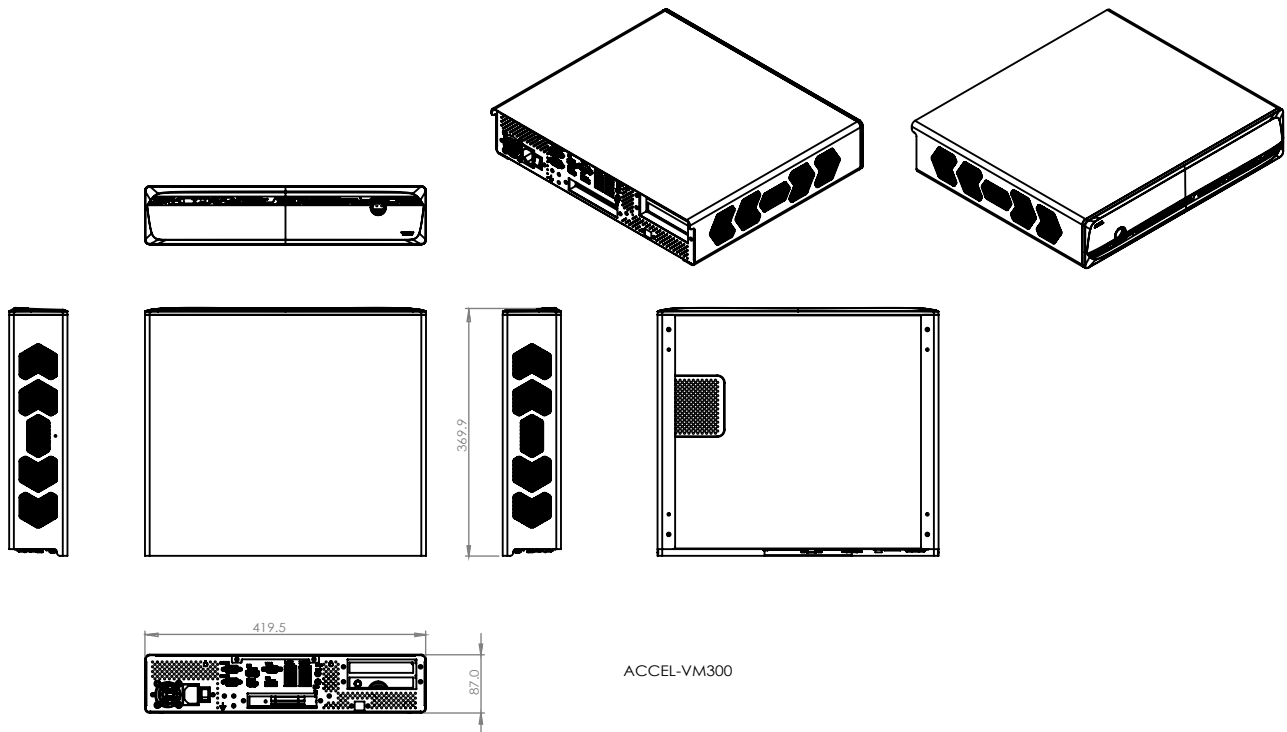
USB	USB 3.2 Gen 2 x 4, USB 2.0 x 2
Ethernet	2.5 GigaLAN x 2
Video out	HDMI x 1, DP x 2, VGA x 1
Audio	Mic-in x 1, Line-out x 1
Serial Ports	RS-232 x 2
Function I/O	Grounding Pin x 1
Power	AC input
Front I/O	USB 3.0 x 2 Power Button x 1
Extension Area	M.2 E Key 2230 x 1 for Wireless module PCIe [x4] x1 (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	419mm x 355mm x 90 mm
Package Size	500mm x 200mm x 630 mm
Gross Weight	9.4kg
Net Weight	8kg
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)

## Slim Size Medical AI Computing Platform with Intel® 12th generation Core I Processor

### Dimension / Unit: mm



### Ordering Information

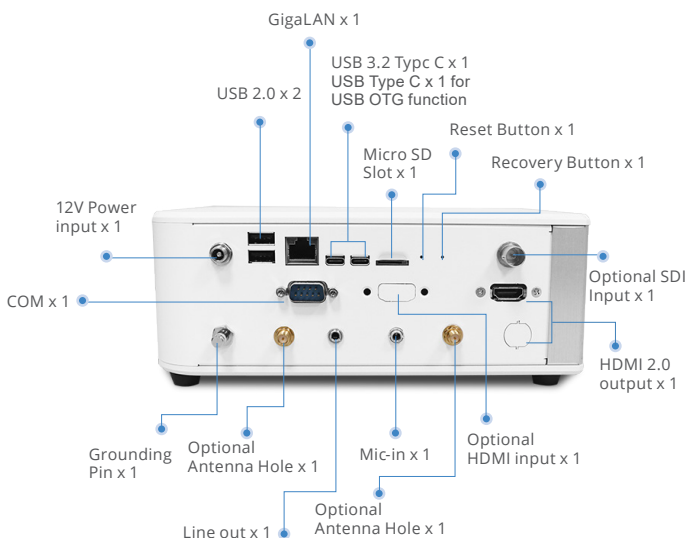
- ACCEL-VM300-N1-A1-0010  
Med PC.i9-12900TE.FAN.1xPCIe by 16.Medical 500W.White.
- ACCEL-VM300-N2-A1-0010  
Med PC.i7-12700TE.FAN.1xPCIe by 16.Medical 500W.White.
- ACCEL-VM300-N3-A1-0010  
Med PC.i5-12500TE.FAN.1 x PCIe by 16.Medical 500W.White

### Optional Accessories

- OPM-V300-A1  
M.2 PCIe Riser Card.for ACCEL-VM300.
- OPM-V300-A2  
DC 12V output kit.for ACCEL-VM300.
- OPM-V300-A3  
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

# 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

## 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

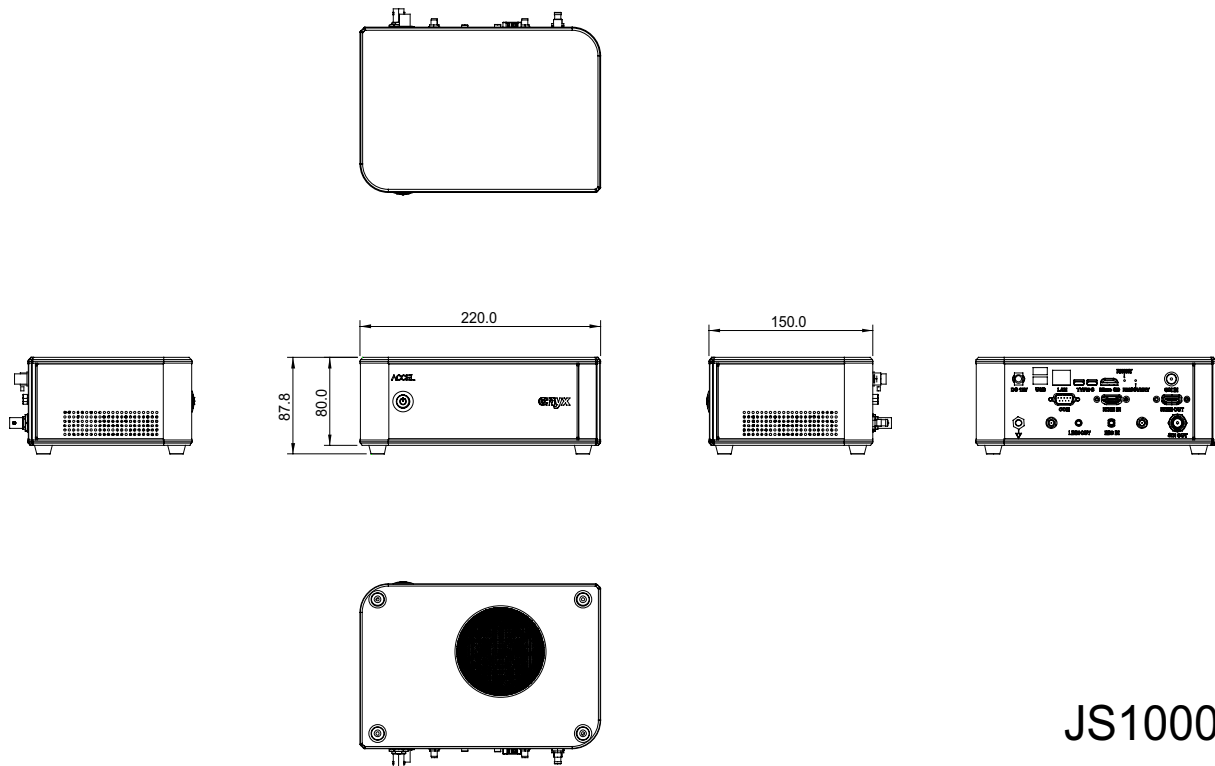
USB	USB Type C x 2 for USB 3.2 , one only support APX mode USB Type A x 2 for USB 2.0
Ethernet	GigaLAN x 1
Video Out	HDMI 2.0 x 1
Video input	3G SDI or 12G SDI or HDMI 3G SDI(Max resolution up to 1920×1080p@60fps), 12G SDI(Max resolution up to 4096×2160@60fps) HDMI (Max resolution up to 1920×1080p@60fps)
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	220mm(W) x 87.8mm(H) x 150mm(D)
Package Size	300mm x230mm x210mm
Gross Weight	3.1KG
Net Weight	1.8KG
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)

## NVIDIA Jetson AGX Orin platform for Medical AI imaging application

### 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

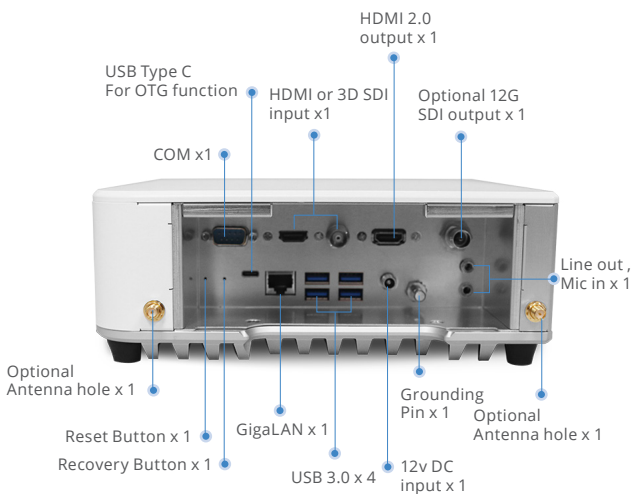
### Optional Accessories

- **OPM-C17W-A3**  
WLAN Kit.802.11ax.w/BT 5.2.dual ext. antenna.Intel.AX200 for ACCEL-JS1000

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 12G SDI or 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 Speaker x 2

### I/O

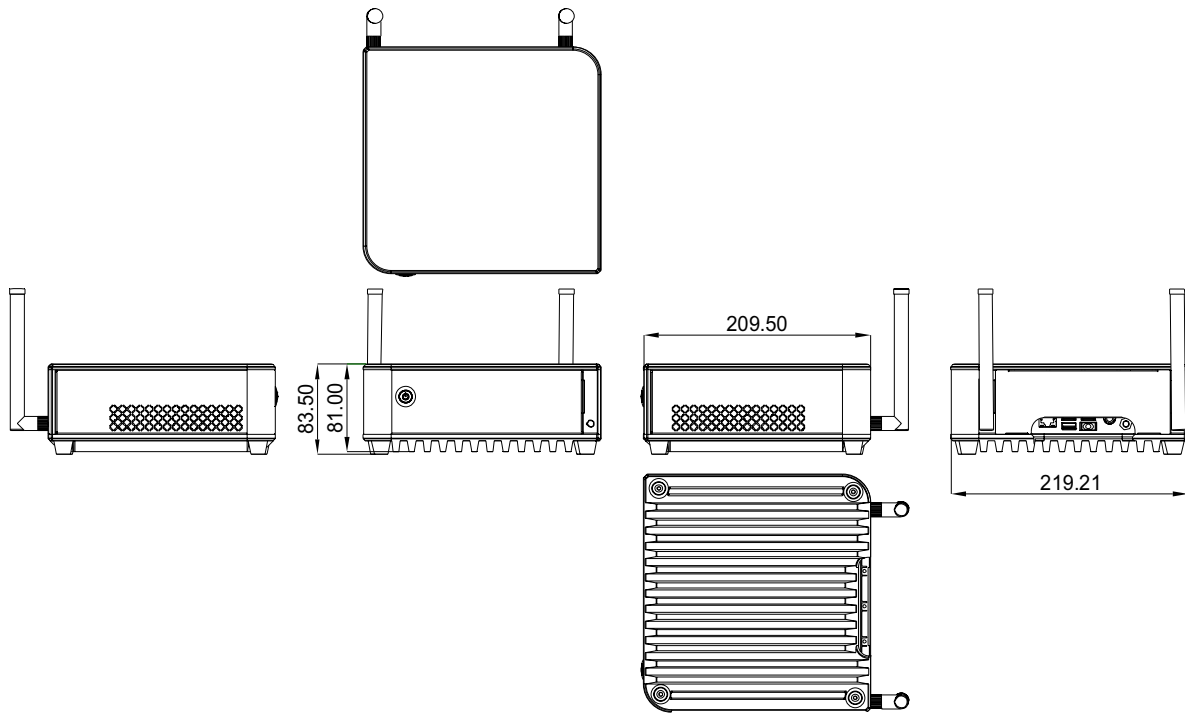
USB	USB OTG Type C x 1 USB 3.0 Type A x 4
Ethernet	GigaLAN x 1
Video out	HDMI 2.0 x 1 or 12G SDI x 1
Video input	3G SDI and HDMI x 1 3G SDI(Max resolution up to 1920×1080p@60fps), HDMI(Max resolution up to 1920×1080p@60fps)
Audio	Mic-in x 1 , Line out x 1
Serial Port	RS232 x 1
Function Port	Reset Button 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	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, Part 15 Class B, UL: ANSI/AAMI ES60601-1:2012 (V3.1) cUL: CAN/CSA-C22.2 No. 60601-1:2014 (V3.1)

## NVIDIA Jetson Orin NX platform for Medical AI imaging application

### Dimension / Unit: mm



### Ordering Information



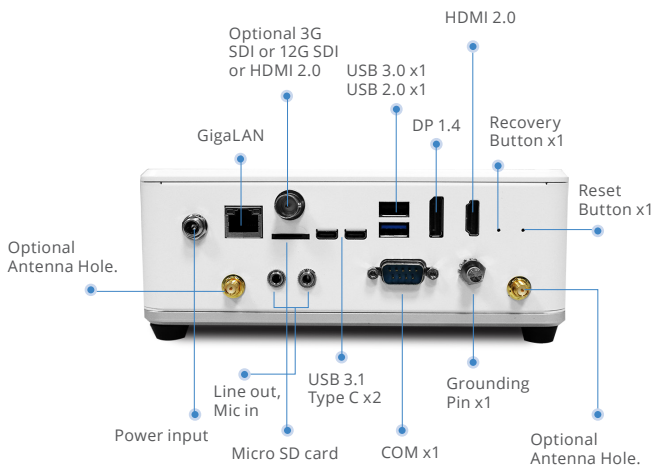
# ACCEL-JS500 / JS500i



NVIDIA Jetson AGX Xavier or AGX Xavier Industrial platform



Power button



## Features

- NVIDIA Jetson AGX Xavier or AGX Xavier Industrial Platform 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 Xavier	NVIDIA Jetson AGX Xavier 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	
	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 Speaker x 2	

### I/O

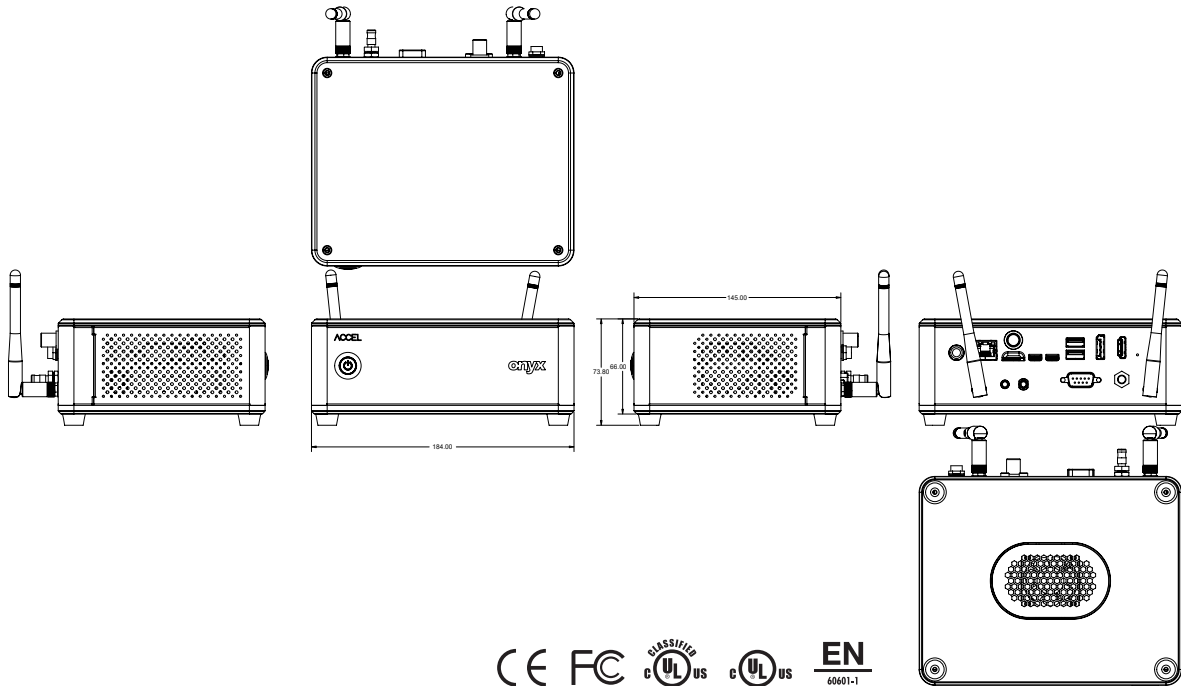
USB	USB Type C x 2 for USB 3.1
	USB Type A x 1 for USB 3.0
	USB Type A x 1 for USB 2.0
Ethernet	Gigabit LAN x 1
Video Out	HDMI 2.0 x 1 , Display Port 1.4 x 1
Video input (Optional)	3G SDI x 1 or 12G SDI x 1 or HDMI 2.0 x 1
	3G SDI(Max resolution up to 1920×1080p@60fps)
	12G SDI(Max resolution up to 4096×2160@60fps)
Audio	HDMI 2.0(Max resolution up to 4096x 2160@60fps)
	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 66mm(H)
Package Size	290(W) x 225(L) x 198mm(H)
Gross Weight	2.33 kg
Net Weight	1.675 kg

## NVIDIA Jetson AGX Xavier or AGX Xavier Industrial platform

### Dimension / Unit: mm



### Ordering Information

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

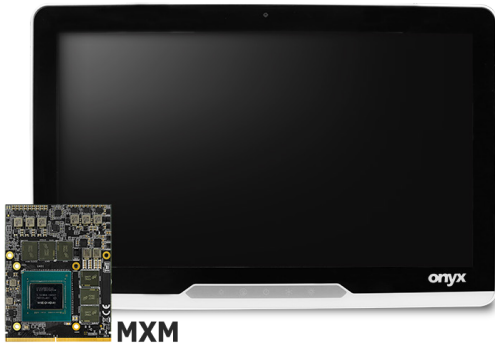
### Optional Accessories

- M14S500030  
(AOH)(TF)Metal.AI.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® 13th generation Core™ i9/ i7/ i5 / i3 Processor
- Supports Dual Channel DDR5 4800 SODIMM up to 64GB
- 22" Full HD High Contrast LCD
- Capacitive Multi-Touch Screen
- Two Gigabit Ethernet
- High Speed USB 3.2 Gen2 Ports
- RS-232 x 2
- 8MP Camera with Mic (optional)
- Imprivata RFID Reader (optional)
- Reading Light

## Specifications

### MAIN SPECIFICATIONS

Processor	Intel® 13th Gen Core i9-13900TE 24 Cores up to 5.0Ghz
System Memory	Supports Dual Channel DDR5 4800 SODIMM up to 64GB
Expansion	M.2 2280 M Key x1
Graphics	NVIDIA RTX A1000/A2000/A4500
OS Support	Windows® 10, Windows® 11, Linux®
Storage Disk Driver	2.5" SATA Hard Disk Drive/SSD x 1
Security	Trusted Platform Module 2.0 , Imprivata RFID Reader (optional)
Wireless Communication	802.11 ac (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

### 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 x2, USB 2.0 x2
Serial Port	RS-232 x 2
Ethernet	2.5 Gigabit LAN x2
Video Out	Display Port 1.4 x2, HDMI 2.0b x1
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 ; IPX1 in the back
Dimension	542 x 355 x 67mm
Package Size	711 x 195 x 503mm
Gross Weight	14 kg (30.86 lb)
Net Weight	7.5 kg(16.5 lb)
Certifications	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)

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 A6000 GPU card with up to 600 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 4096x2160@60fps) 12G SDI(Max resolution up to 4096x2160@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	TBC
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)