

Medical PC & Monitor for Digital OR

# ACCEL-JS500 / ACCEL-JS500i

NVIDIA Jetson AGX Xavier or AGX Xavier Industrial platform for Medical AI imaging application



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

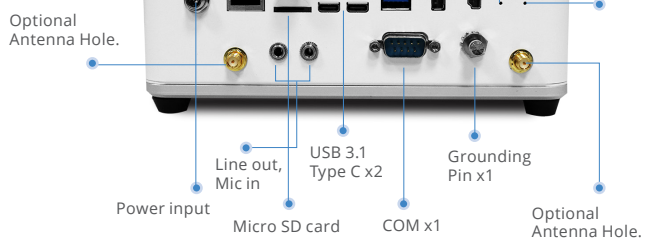
	ACCEL-JS500	ACCEL-JS500i
AI Engine	NVIDIA Jetson AGX Xavier	NVIDIA Jetson AGX Xavier Industrial
CPU	8-Core ARM v8.2 64bit CPU, 8MB L2 + 4MB L3	
System Memory	32GB 256-bit LPDDR4 w/ECC	
Graphics	512 Core Volta GPU with Tensor Cores	
Storage	64GB eMMC Onboard	
	Micro SD card Slot	
	M.2 M Key 2280 (Only 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 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
	3G SDI(Max resolution up to 1920x1080p@60fps) 12G SDI(Max resolution up to 4096x2160@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

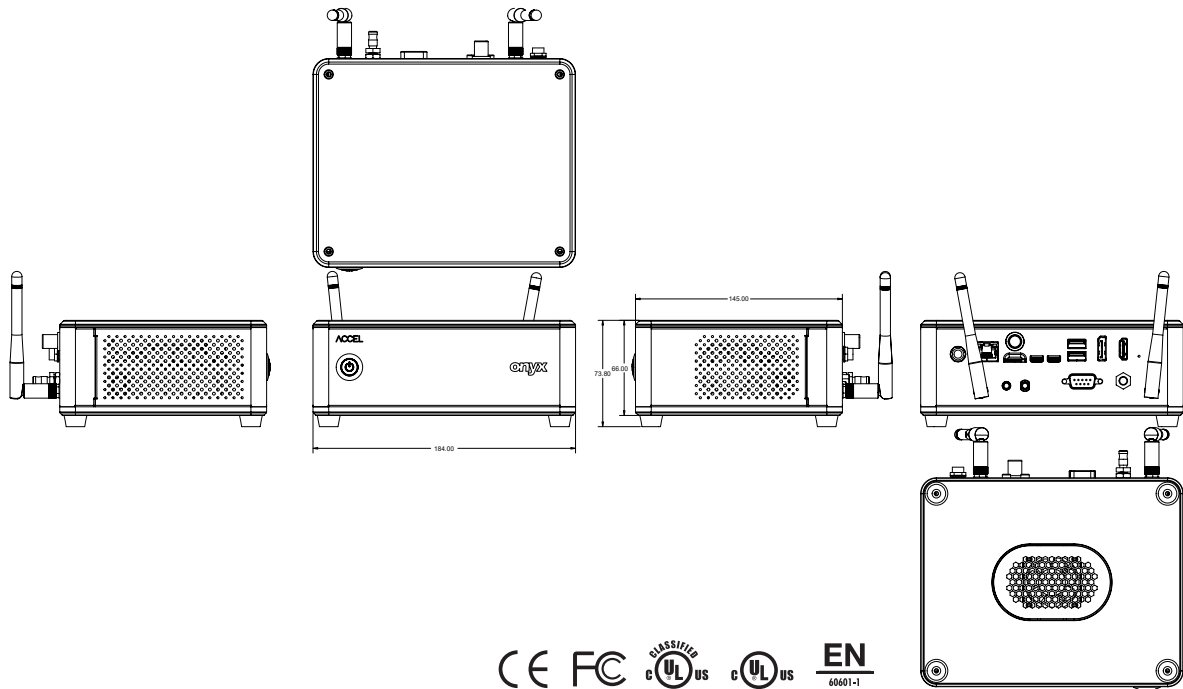
### ENVIRONMENT AND MECHANICAL

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 66mm(H)
Package Size	290(W) x 225(L) x 198mm(H)
Gross Weight	2.33 kg
Net Weight	1.675 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,



## NVIDIA Jetson AGX Xavier or AGX Xavier Industrial platform for Medical AI imaging application

### 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

### 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