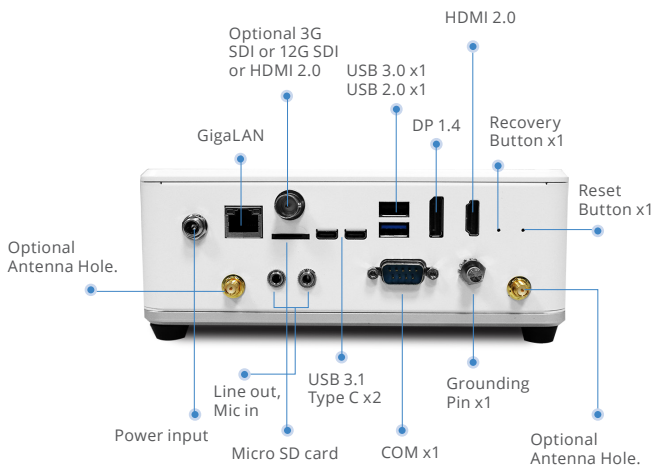


ACCEL-JS500 / JS500i

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	
	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

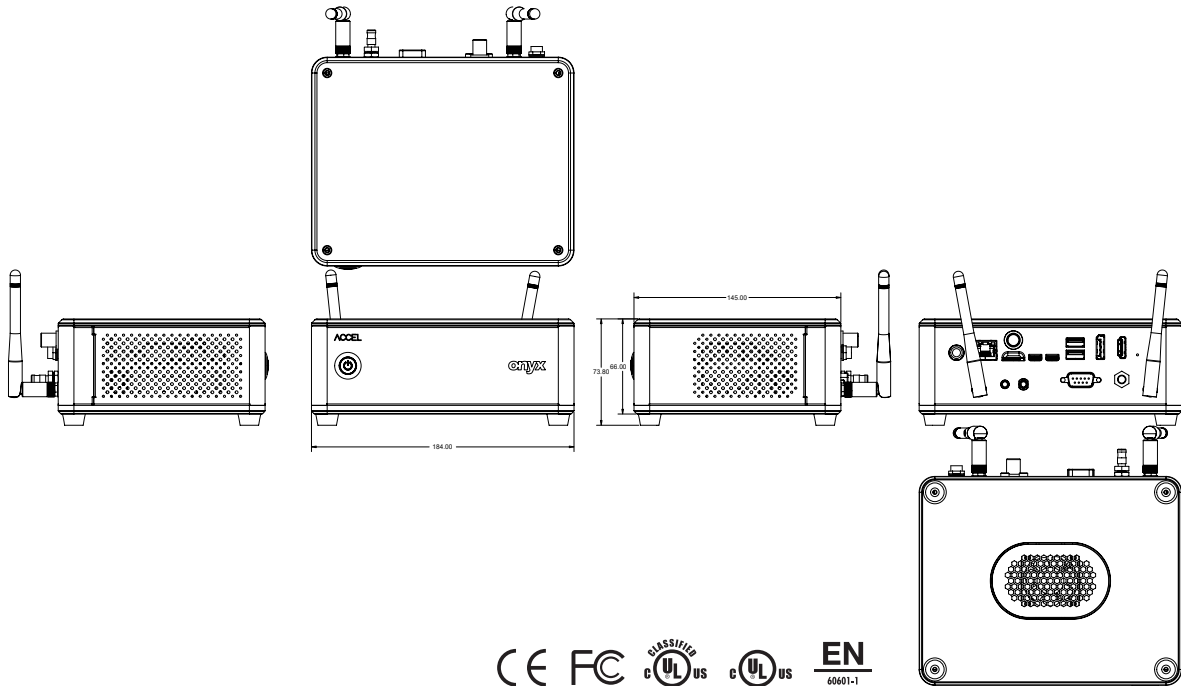
USB	USB Type C x 2 for USB 3.1
	USB Type A x 1 for USB 3.0
	USB Type A x 1 for USB 2.0
Ethernet	Gigabit LAN x 1
Video Out	HDMI 2.0 x 1 , Display Port 1.4 x 1
Video input (Optional)	3G SDI x 1 or 12G SDI x 1 or HDMI 2.0 x 1
	3G SDI(Max resolution up to 1920x1080p@60fps)
	12G SDI(Max resolution up to 4096x2160@60fps)
	HDMI 2.0(Max resolution up to 4096x 2160@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 66(H) mm
Package Size	295(W) x 230(L) x 208(H) mm
Gross Weight	3.1 kg
Net Weight	1.675 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

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