

Medical PC & Monitor for Digital OR

ACCEL-JS500

Nvidia Jetson AGX Xavier platform for Medical AI Application



Features

- Nvidia Jetson AGX Xavier Platform for Medical AI usage.
- 512-core Volta GPU with Tensor Cores
- Support optional 3G or 12G SDI input for image capture
- Support Dual 4K display output (HDMI and Display port)
- Support optional internal speaker
- Medical Certification
- Palm size dimension with powerful AI computing

Specifications

Main Specifications

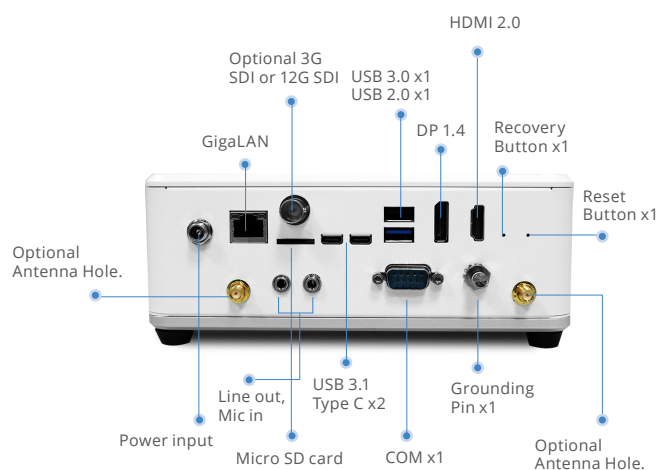
AI Engine	Nvidia Jetson AGX Xavier
CPU	8-Core ARM v8.2 64bit CPU, 8MB L2 + 4MB L3
System Memory	32GB 256-Bit LPDDR4
Graphics	512 Core Volta GPU with Tensor Cores
Storage	32GB eMMC Onboard
	Micro SD card Slot
OS support	Linux with Jetpack 4.4.1
	TPM 2.0
Security	TPM 2.0
Speaker	2W x Speaker x 2(Optional)

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
	3G SDI x 1 or 12G SDI x 1
Video input (Optional)	3G SDI(Max resolution up to 1920×1080p@60fps)
	12G SDI(Max resolution up to 4096×2160@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

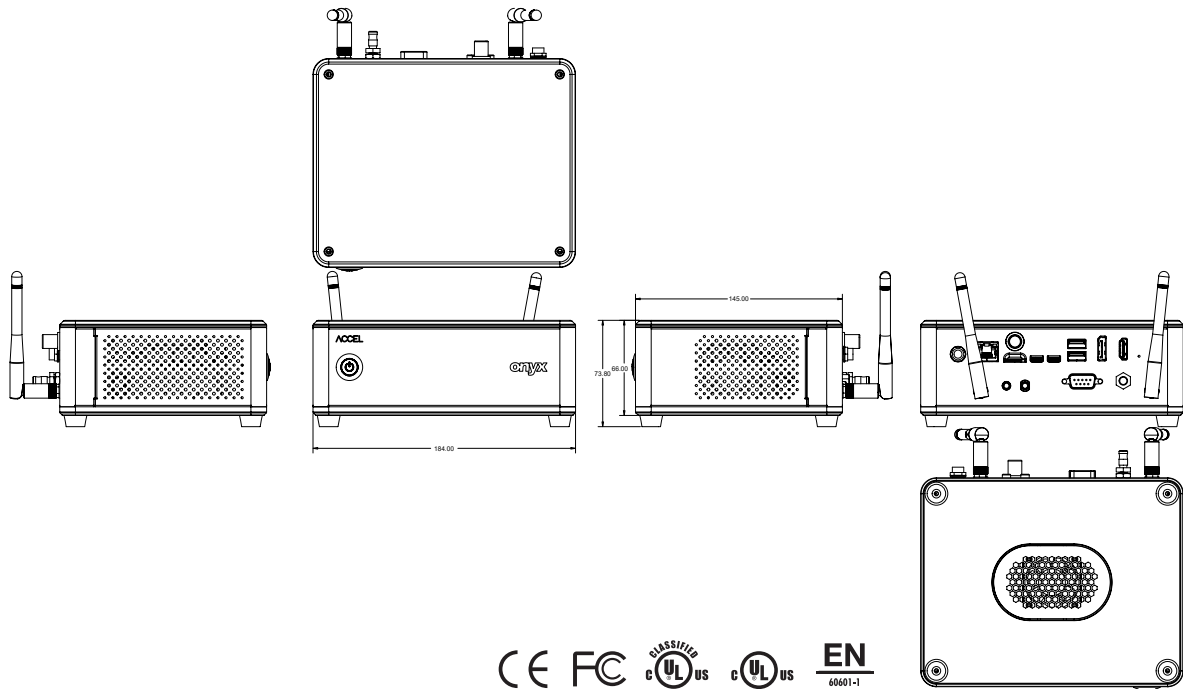
Environment and Mechanical

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 66mm(H)
Package Size	290(W) x 225(L) x 198mm(H)
Gross Weight	TBD
Net Weight	TBD
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)



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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

Optional Accessories