

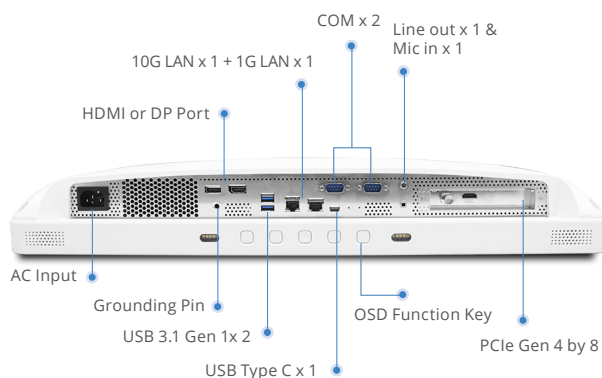
AI Hardware Solution

# ACCEL-JS221

22" FHD NVIDIA Jetson AGX Orin Medical All in One PC for AI Inference



RFID (Optional)



## Features

- NVIDIA Jetson AGX Orin platform with 64GB LPDDR5 or 32GB LPDDR5
- Powerful AI computing performance with up to 275 TOPS
- Support 10G and 1G LAN for high bandwidth application
- 22" LED Full HD Resolution, 250nits
- Support DP 1.4 or HDMI 2.0 video output
- Slim and Compact Size
- Support HDMI 2.0 and 12G SDI video input (Optional)
- Medical certified with CE/FCC/UL
- Support PCIe Gen 4 [x8] x1 for additional capture card
- Support built in speaker x 2

## Specifications

### MAIN SPECIFICATIONS

CPU	NVIDIA Jetson AGX Orin 12-core Arm® Cortex®-A78AE v8.2 64-bit CPU 3MB L2 + 6MB L3 / 8-core Arm® Cortex®-A78AE v8.2 64-bit CPU 2MB L2 + 4MB L3
System Memory	32GB or 64GB 256-Bit LPDDR5
Graphics	NVIDIA Ampere architecture 2048 NVIDIA CUDA® cores and 64 Tensor Cores / 1792 NVIDIA CUDA® cores and 56 Tensor Cores
Storage	64GB eMMC and M.2 NVMe SSD x 1
OS Support	Linux
Security	TPM2.0 Chip (Infineon SLB9670XQ2.0)
Speaker	2W x 2
Front Screen	Power On/Off, LCD, Brightness Up/Down, Touch Screen On/Off
Power Requirement	100~240V AC

### 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

### IO

USB	USB 3.2 Type A x 2, USB 3.2 Type C x 1
Ethernet	GigaLAN x 1, 10G LAN x 1
Video Output	HDMI 2.0 x 1 and Display Port 1.4 (without front screen) HDMI 2.0 x 1 and Display Port 1.4 (without front screen) 3G SDI or HDMI (FHD) 12G SDI or HDM 2.0
Video input (Optional)	3G SDI (Max resolution up to 1920x1080p@60fps) 12G SDI (Max resolution up to 4096x2160@60fps) HDMI (FHD) (Max resolution up to 1920x1080p@60fps) HDMI 2.0 (Max resolution up to 4096x2160@60fps)
Audio	Mic-in x 1, Line out x 1
Serial Port	RS232 x 2
Function Port	Grounding pin x 1
Wireless Communication	802.11a/b/g/n/ac/ax.w/BT5.2 (Optional)
Expansion I/O	PCIe Gen 4 [x8] x 1

### MECHANICAL AND ENVIRONMENTAL

Operating Temperature	0°C ~ 35°C (32°F ~ 95°F)
Storage Temperature	-20°C ~ 60°C (-4°F ~ 140°F)
Mounting	75/100 mm
Degree of Protection	IP65 in the front, IPX1 in the back
Dimension	532mm x 345mm x 65 mm
Package Size	TBD
Gross Weight	TBD
Net Weight	TBD