AI Hardware Solution

ACCEL-JS221

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

AI

NVIDIA. JETSON

SIAA ISO 22196 for KOHKIN

22"

NVIDIA. JETSON

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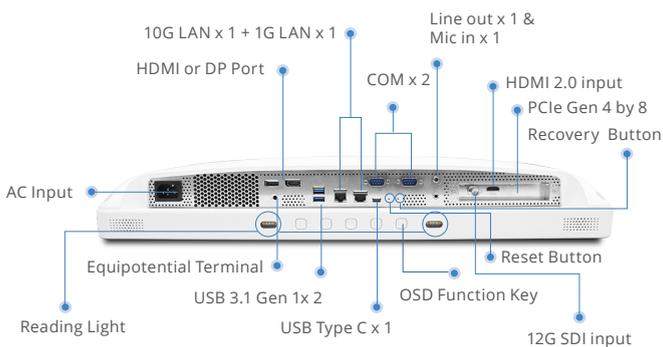
Features

- 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 Cetified 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 Orin12-core Arm® Cortex®-A78AE v8.2 64-bitCPU3MB L2 + 6MB L3 /8-core Arm® Cortex®-A78AE v8.2 64-bitCPU 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

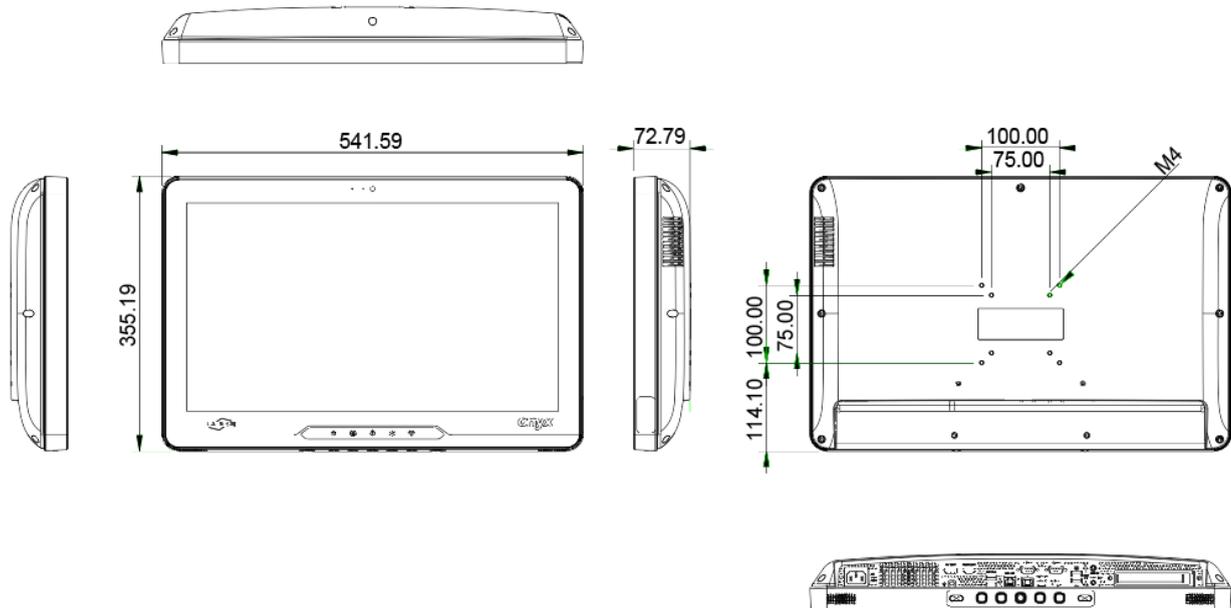|	
Size	22" LCD
Resolution	1920 x 1080
Luminance	250 nits
View Angle	178˚(H)/178˚(V)
Contrast Ratio	1000:1
Back Light Life Time	50,000 Hours
Touch Screen	Capacitive Multi-Touch

I/O

USB	USB 3.2 Type A x 2 , USB 3.2 Type C x 1
Ethernet	GigaLAN x 1, 10G LAN x 1
Video Out	HDMI 2.0 x 1 and Display Port 1.4 (without front screen)
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	3G SDI or HDMI (FHD)
	12G SDI or HDM 2.0
Video input (optional)	3G SDI(Max resolution up to 1920×1080p@60fps)
	12G SDI(Max resolution up to 4096×2160@60fps)
	HDMI (FHD)(Max resolution up to 1920×1080p@60fps
	HDMI 2.0 (Max resolution up to 4096×2160@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)
Dimension	400 x 166 x 407 mm
Package Size	560 x 305 x 628 mm
Gross Weight	14 kg
Net Weight	12 kg

10G LAN x 1 + 1G LAN x 1
HDMI or DP Port
Line out x 1 & Mic in x 1
COM x 2
HDMI 2.0 input
PCIe Gen 4 by 8
Recovery Button
AC Input
Reset Button
Equipotential Terminal
USB 3.1 Gen 1x 2
OSD Function Key
Reading Light
USB Type C x 1
12G SDI input

※ All product specifications are subject to change without notice

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

Dimension / Unit: mm

Ordering Information

- ACCEL-JS221-N1-A1-0010
  PPC.Jetson AGX Orin.22" 250 nits.1HDMI.AC.P-CAP.64GB
  DDR5.64GB eMMC.Jetpack OS

- ACCEL-JS221-N1-A2-0010
  PPC.Jetson AGX Orin.22" 250 nits.1DP.AC.P-CAP.64GB
  DDR5.64GB eMMC.Jetpack OS

- ACCEL-JS221-N2-A1-0010
  PPC.Jetson AGX Orin.22" 250 nits.1HDMI.AC.P-CAP.32GB
  DDR5.64GB eMMC.Jetpack OS

- ACCEL-JS221-N2-A2-0010
  PPC.Jetson AGX Orin.22" 250 nits.1DP.AC.P-CAP.32GB
  DDR5.64GB eMMC.Jetpack OS

Optional Accessories

- OPM-C21W-A5
  WLAN Kit.802.11a/b/g/n/ac/ax (Wi-Fi 6).w/BT 5.2.dual int.
  antenna.Realtek RTL8852BE.for ACCEL-JS221

- OPM-T047-A1
  512GB NVMe SSD Kit.ACCEL-JS221

- OPM-T047-A2
  1TB NVMe SSD Kit.ACCEL-JS221

- OPM-T047-A3
  2TB NVMe SSD Kit.ACCEL-JS221

- OPM-T047-A4
  4TB NVMe SSD Kit.ACCEL-JS221