Preliminary

PJAI-200-AO32

Embedded Edge AI system with NVIDIA® Jetson AGX Orin™ SOM, 12x PoE Ethernet and 8x USB Ports



Features

- Edge AI System with NVIDIA® Jetson AGX Orin™ SOM
- 32GB 256-bit LPDDR5 (from SOM)
- 1x M.2 M-Key NVMe (PCIe x4), 1x MicroSD and 64GB eMMC (from SOM)
- Supports 1x M.2 E-Key, 1x M.2 B-Key, and 2x Nano SIM slots
- 12x PoE RJ45 GbE ports, 1x RJ45 GbE port and 1x RJ45 10GbE port
- Up to 8x USB 3.2 Type A ports

System

SOM	NVIDIA® Jetson AGX Orin 32GB
CPU	8-core Arm® Cortex A78AE v8.2 64-bit CPU
Memory	32GB 256-bit LPDDR5 (from SOM)
Storage	- 64GB eMMC 5.1 (from SOM) - 1x M.2 2242/2280 M-Key NVMe (PCIe x4) - 1x MicroSD slot
Expansion	- 1x M.2 2280 M-Key (PCIe x4) - 1x M.2 3042/3052 B-Key for 4G/5G - 1x M.2 2230 E-Key for Wi-Fi/BT - 2x Nano SIM slots

External I/O

Ethernet	- 12x PoE RJ45 GbE ports (Max. 120W) - 1x RJ45 10GbE port - 1x RJ45 GbE port
USB	- 8x USB 3.2 - 1x Micro-B USB 2.0 for debug - 1x USB 3.0 Type C for OS Flash
DIDO	1x 8-CH DI/DO
Serial Port	- 2x DB9 RS-232/422/485 - 2x DB9 CANbus FD
Display	1x HDMI 2.1b

Power Supply

Power Input	DC-IN 19V~24V

Environmental

Operating Temp.	-20˚C to 50˚C (-4˚F ~ 122 ˚F)
Storage Temp.	-40˚C to 70˚C (-40˚F ~ 158˚F)
Humidity	10 ~ 95% @ 40˚C, non-condensing

Mechanical

Dimension	365.4 x 194.7 x 110.2 mm (14.39“ x 7.67“ x 4.34“)
Weight	6.0kg (13.23lbs)
Mounting	Wall mount

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