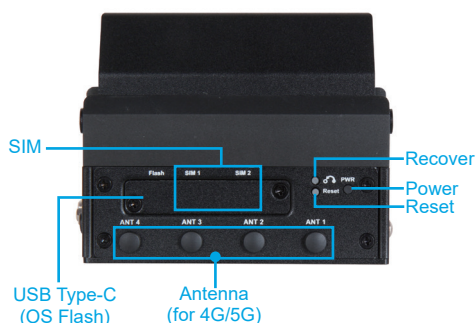
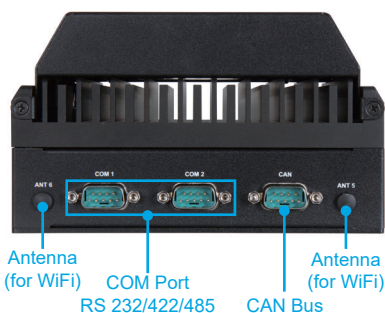
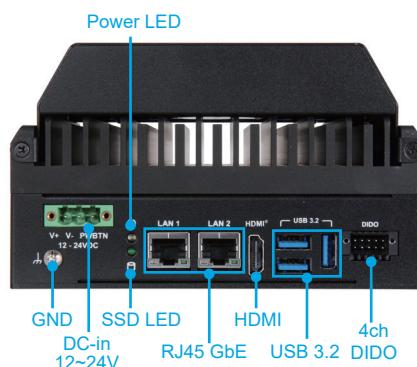


PJAI-1100F

Compact System with NVIDIA® Jetson Orin NX™ PJAI-1100F-OX for Edge AI Applications



General

Processor	NVIDIA® Jetson Orin™ NX 8GB NVIDIA® Jetson Orin™ NX 16GB
Memory	Support up to 16GB LPDDR5 on board
Storage	1 x M.2 Key-M NVMe PCIe x4 2280

Rear I/O

Ethernet	2 x 1 GbE LAN
Serial Port	2 x COM Ports Support RS-232/422/485 1 x CANbus FD
USB	3 x USB 3.2 Gen2 x1 (10Gbps) Type A 1 x USB 3.2 Gen2 x1 (10Gbps) Type C
GPIO	1 x 8-bit Digital I/Os
Display	1 x HDMI® 2.0b
Other	Power Button, Reset Button, Recovery Button
LED	Power, Storage
Antenna	6 x SMA Antenna holes for LTE / 5G / Wi-Fi
SIM Slots	2 x Nano-SIM

FEATURES

- Compact System with NVIDIA® Jetson Orin module up to 157 TOPS
- 8GB/16GB 64-bit LPDDR5 (By SOM)
- Supports 1x M.2 2230 E-Key, 1x M.2 3042/3052 B-Key, 1x M.2 2280 M-Key NVMe (PCIe x4) and 2x Nano SIM slots
- Supports 2x RJ45 GbE and 3x USB 3.2 Type A ports
- 2x DB9 COM ports and 1x DB9 CANbus

Ordering Guide

AS5-3724	PJAI-1100F-OX8G (R).ATO.PJAI-1100F-OX8G.Embedded System. Nvidia Jetson Orin NX(8GB) (260pin SO-DIMM),12-24V
AS5-3725	PJAI-1100F-OX16G (R).ATO.PJAI-1100F-OX16G.Embedded System. Nvidia Jetson Orin NX(16GB) (260pin SO-DIMM),12-24V

Expansion I/O

M.2	1 x B Key w/ 3042/3052 1 x E Key w/ 2230
-----	---

Mechanical/Environment

Dimension(WxDxH)	152 x 112 x 90 mm (5.98" x 4.41" x 3.54")
Weight	1.61 kg
Power Supply	Terminal Block 12~24V
Mounting	Wall Mount
Vibration	1G 5~500Hz with Wall mount (IEC/EN 60068-2-6)
Shock	50G 11m sec with Wall mount (IEC/EN 60068-2-27)
Operating Temperature	-20 ~ 60 °C (-40.0 ~ 140.0 °F)
Storage Temperature	-40 ~ 85 °C (-40.0 ~ 185.0 °F)
Cooling	System Fan
BSP	6.2
Relative Humidity	5% to 95%, non-condensing
Certification	CE/FCC/UKCA Class A
OS	Linux™