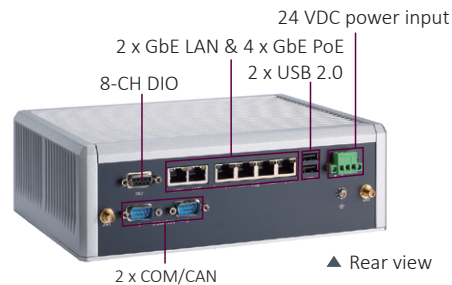
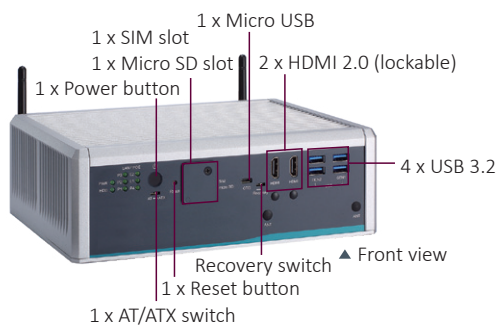


AIE900-902-FL

Fanless Edge AI System with NVIDIA® Jetson AGX Xavier™, 2 HDMI, 2 GbE LAN, 4 GbE PoE, 6 USB, 2 COM or 2 CAN, and 8-CH DI/DO



IP40



Fanless



LPDDR4



4K Ultra HD



24 VDC



Jetson
AGX Xavier



Allxon DMS

Features

- NVIDIA® Jetson AGX Xavier™ 32GB (32 TOPS)
- Delivers high AI computing performance for GPU-accelerated processing
- Ideal for intelligent edge applications, AGV, AMR, and computer vision
- Supports M.2 NVMe PCIe x4 SSD slot
- Wide operating temperature from -30°C to +50°C
- Supports JetPack

NVIDIA® Jetson AGX Xavier™ available through to 2028

The official end of life notice will be sent for at least 8 months before the last shipment.

Specifications

Standard Color	Silver
Construction	Aluminum extrusion and heavy-duty steel, IP40
AI Accelerator	NVIDIA® Jetson AGX Xavier™ 32GB (32 TOPS)
CPU	8-core Carmel ARM® v8.2 64-bit CPU, 8MB L2 + 4MB L3
GPU	512-core NVIDIA Volta™ GPU with 64 Tensor Cores
System Memory	32GB 256-Bit LPDDR4x onboard
Carrier Board	SBC87902
System I/O Outlet	2 x Lockable HDMI 2.0 with 4K2K supported 2 x 10/100/1000 Mbps Ethernet (Intel® I210-IT) 4 x 10/100/1000 Mbps PoE (Intel® I210-IT) 2 x USB 3.2 Gen2 2 x USB 3.2 Gen1 2 x USB 2.0 1 x Micro USB for image flash 1 x Recovery switch 1 x 8-CH DI/DO 2 x RS-232 by default (or 2 x CAN selectable via jumper settings) 1 x 24 VDC power input connector 4 x SMA-type antenna connector

Specifications

Watchdog Timer	Built-in AGX Xavier
Storage	32GB eMMC onboard (via Jetson AGX Xavier™) 1 x M.2 Key M 2280 with PCIe x4 NVMe SSD slot 1 x Micro SD slot *The bootable device is supported by eMMC only
Expansion Interface	1 x full-size PCI Express Mini Card slot (USB + PCI Express signal) 1 x M.2 Key E 2230 slot 1 x SIM slot
System Indicator	1 x Green LED for system power-on 1 x Green LED for M.2 storage 2 x Green LED for LAN status 4 x Green LED for PoE status
Power Supply	24 VDC
Operating Temperature	-30°C to +50°C (-22°F to +122°F)
Relative Humidity	10% to 95% relative humidity, non-condensing
Vibration	IEC 60068-2-64 (with SSD: 3Grms STD, random, 5 to 500 Hz, 1 hr/axis)
Shock	IEC 60068-2-27 (with SSD: 50G, half-sine, 11 ms duration)
Dimensions (W x D x H)	239 x 185.3 x 79.4 mm (9.41" x 7.3" x 3.13")
Weight (net/gross)	2.8 kg (6.17 lb)/4.3 kg (9.47 lb)
Certifications	CE, FCC Class A, and UKCA
OS Support	Linux Ubuntu 18.04 or later

Ordering Information

Standard

AIE900-902-FL-NVMe (P/N: E27H900101)	Fanless edge AI system with NVIDIA® Jetson AGX Xavier™ 32GB, 2 HDMI, 2 GbE LAN, 4 GbE PoE, 6 USB, 2 COM or 2 CAN and 8-CH DI/DO (NVMe SSD only)
---	---

Optional

E29R150110	Wall mount kit
E29R150112	DIN-rail kit
E29R150111	VESA mount kit
M.2 NVMe SSD 128GB or above	
LTE module kit	
Wi-Fi module kit	
50906A24000E	24V/230W adapter
Power cord	

* Specifications and certifications may vary based on different requirements.

Packing List

1 x Terminal block connector
1 x Screw pack
4 x Foot pad
1 x M.2 SSD thermal kit

Power Protection

DC Adapter

OVP (over voltage protection)
OCP (over current protection)
UVP (under voltage protection)
Reserve protection

Dimensions

