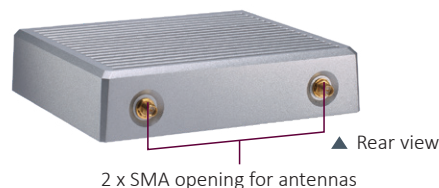
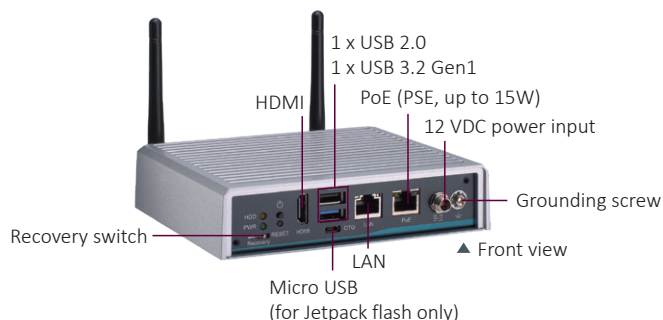


AIE100-903-FL

Fanless Edge AI System with NVIDIA® Jetson Nano™, 1 HDMI, 1 GbE LAN, 1 GbE PoE, and 2 USB



IP42



Fanless



4K Ultra HD



Low Power



LPDDR4



12 VDC



Jetson
Nano



Allxon DMS

Features

- NVIDIA® Jetson Nano™ (472 GFLOPS)
- Ideal for edge AI smart city applications
- Supports one 15W GbE PoE for camera
- Wide operating temperature from -30°C to +60°C
- Optional IP42 cover kit for semi-outdoor applications
- Enable 24/7 secure remote monitoring, control, and OTA deployment, powered by Allxon

NVIDIA® Jetson Nano™ available through to 2027*

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 (IP42 by optional cover kit)
AI Accelerator	NVIDIA® Jetson Nano™ (472 GFLOPS)
CPU	Quad-core ARM® Cortex®-A57 MPCore processor
GPU	128-core NVIDIA Maxwell™ GPU
System Memory	4GB 64-bit LPDDR4 onboard
Carrier Board	SBC87903
System I/O Outlet	1 x HDMI 2.0 with 4K2K supported 1 x 10/100/1000 Mbps Ethernet (via Jetson Nano™) 1 x 10/100/1000 Mbps PoE (Intel® I210-IT, up to 15W) 1 x USB 3.2 Gen1 1 x USB 2.0 1 x Micro USB for image flash 1 x Recovery switch 1 x Reset button 1 x Power button 1 x 12 VDC power input connector 2 x SMA-type antenna connector

Specifications

Watchdog Timer	Built-in Nano
Storage	Onboard 16GB eMMC (via Jetson Nano™) 1 x M.2 Key M 2280 with PCIe x4 NVMe SSD slot 1 x Micro SD slot *The bootable device is supported exclusively by eMMC
Expansion Interface	1 x full-size PCI Express Mini Card slot (USB + PCI Express signal) 1 x SIM slot
System Indicator	1 x Green LED for system power-on 1 x Yellow LED for M.2 storage
Power Supply	12 VDC screw type
Operating Temperature	-30°C to +60°C (-22°F to +140°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)	148.6 x 129.8 x 34.6 mm (5.85" x 5.11" x 1.36")
Weight (net/gross)	0.9 kg (1.93 lb)/1.8 kg (3.97 lb)
Certifications	CE, FCC Class A, and UKCA
OS Support	Linux Ubuntu 18.04

Ordering Information

Standard

AIE100-903-FL (P/N: E27H100100)	Fanless edge AI system with NVIDIA® Jetson Nano™, 1 HDMI, 1 GbE LAN, 1 GbE PoE, and 2 USB
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Optional

E29R150100	Wall mount kit
E29R150102	DIN-rail kit
E29R150101	VESA mount kit
E29R150103	IP42 waterproof cover kit *Please order the wireless module kit, which includes waterproof antennas

M.2 NVMe SSD 128GB or above

LTE module

Wi-Fi module

Power cord

50966124050E	12V/60W adapter
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* Specifications and certifications may vary based on different requirements.

Remote Management Enrollment

Allxon Portal- Sign up for 24/7 secure service to access comprehensive remote device management features through a centralized cloud platform

*Enrollment Page: https://allxon.com/jetson/device_enroll/

Packing List

1 x Screw pack

4 x Foot pad

Power Protection

AC to DC Adapter

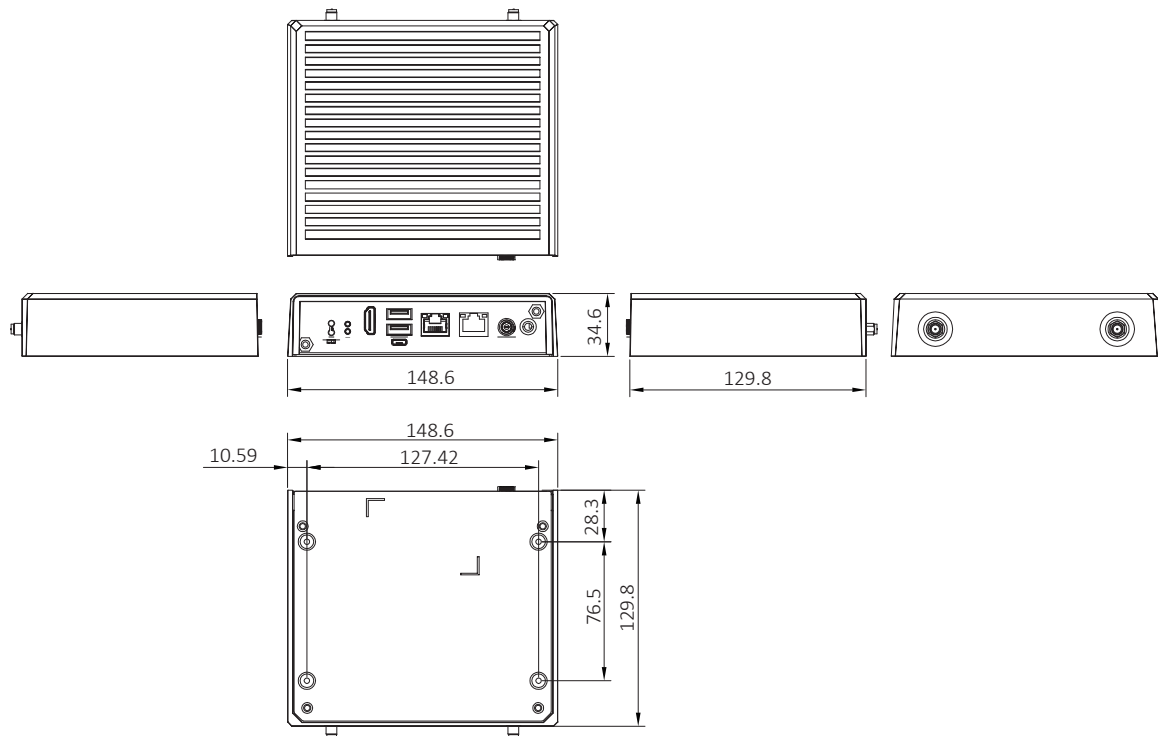
OVP (over voltage protection)

OCP (over current protection)

UVP (under voltage protection)

SCP (short circuit protection)

Dimensions



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

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