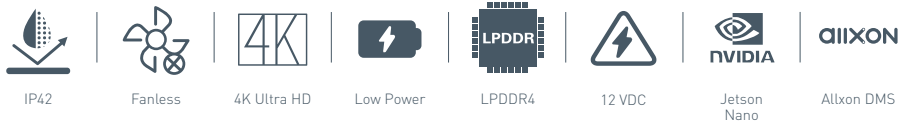
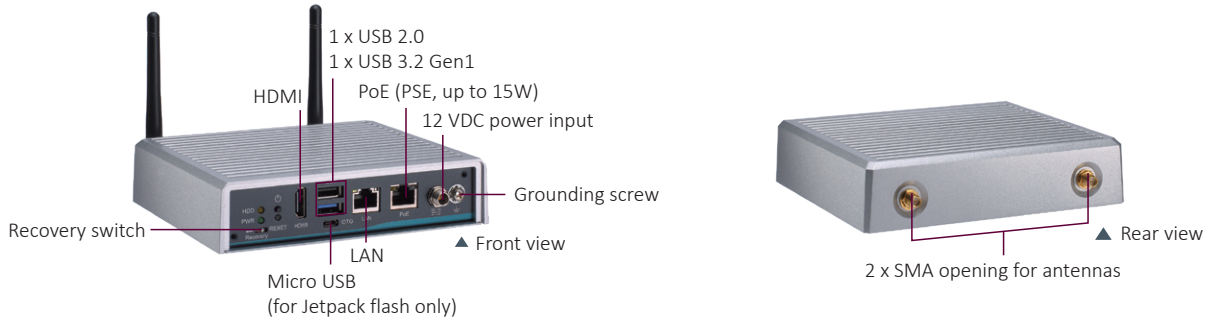


AIE100-903-FL

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



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

