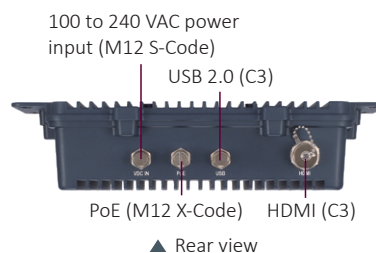
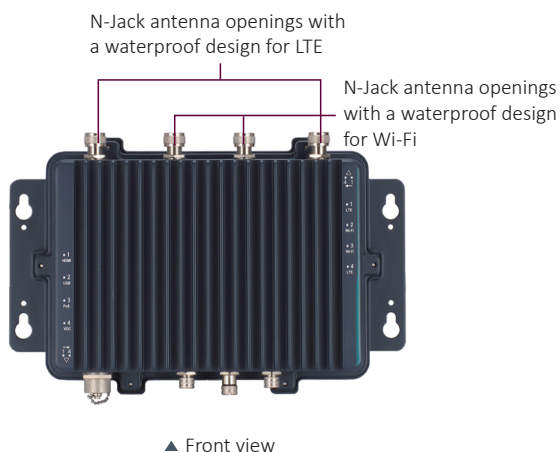


AIE800-904-FL

Rugged IP67-rated Fanless Edge AI System with NVIDIA® Jetson Xavier™ NX, HDMI, 1 GbE PoE, USB, and 100 to 240 VAC



IP67



Fanless



LPDDR4



100 to 240 VAC



PoE



Jetson
Xavier NX



Allxon DMS

Features

- IP67-rated design for outdoor edge AI applications
- NVIDIA® Jetson Xavier™ NX (21 TOPS)
- Wide operating temperature from -30°C to +50°C
- 100 to 240 VAC wide range power input with 10kV surge protection
- 4 N-jack antenna openings with a water-proof design
- Features M12 lockable I/Os
- 1 IEEE 802.3at GbE PoE (30W)

NVIDIA® Jetson Xavier™ NX will be available until 2028*

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

Specifications

Standard Color	Black
Construction	Aluminum die-casting and heavy-duty steel, IP67
AI Accelerator	NVIDIA® Jetson Xavier™ NX (21 TOPS)
CPU	6-core NVIDIA Carmel ARM® v8.2 64-bit CPU 6 MB L2 + 4 MB L3
GPU	384-core NVIDIA Volta™ GPU with 48 Tensor Cores
System Memory	8GB or 16GB 128-bit LPDDR4x onboard
System I/O Outlet	1 x C3 USB 2.0 1 x M12 X-Code GbE PoE (IEEE 802.3at) (30W) 1 x C3 HDMI with FHD supported 1 x M12 S-Code 4-pos AC in power input 4 x N-jack antenna opening with a water proof design

Specifications

Watchdog Timer	Built-in Xavier NX
Storage	Onboard 16GB eMMC (via Jetson Xavier™ NX) 1 x M.2 Key B 2242 with PCIe x2 NVMe SSD 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 SIM slot
Power Input	100 to 240 VAC with 10kV SPD
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)	366.83 x 235 x 83.8 mm (14.44" x 9.25" x 3.3")
Weight (net/gross)	4.4 kg (9.7 lb)/5.9 kg (13 lb)
Certifications	CE, FCC Class A, and UKCA
OS Support	Linux Ubuntu 18.04 or later

Ordering Information

Standard

AIE800-904-FL (P/N: E27H800100)	Rugged IP67-rated fanless edge AI system with NVIDIA® Jetson Xavier™ NX 8GB, 1 HDMI, 1 GbE PoE, 1 USB, and 100 to 240 VAC power input
AIE800-904-FL-16GB (P/N: E27H800101)	Rugged IP67-rated fanless edge AI system with NVIDIA® Jetson Xavier™ NX 16GB, 1 HDMI, 1 GbE PoE, 1 USB, and 100 to 240 VAC power input

Optional

M.2 NVMe SSD	128GB or above
594B8152710E	LAN/PoE cable, 180 cm
594K2303810E	HDMI cable, 100 cm
594K2302810E	USB cable, 200 cm
594K2300A10E	AC power cord, wire only, 180 cm
	Wi-Fi module kit
	LTE module kit

* Specifications and certifications may vary based on different requirements.

Packing List

1 x Screws pack
1 x Thermal pad kit

Power Protection

DC Adapter

OVP (over voltage protection)
OCP (over current protection)
SCP (short circuit protection)
SPD (surge protection device)

Dimensions

