

# 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

## Features

- IP67-rated design, specifically for outdoor environments
- NVIDIA® Jetson Xavier™ NX with Volta™ GPU architecture with 384 NVIDIA CUDA® cores
- High AI computing performance for GPU accelerated processing
- -30°C to +50°C operating temperature range
- 100 to 240 VAC wide range power input with 10kV surge protection
- 4 N-jack antenna openings with water-proof design
- Features M12 lockable I/Os
- 1 IEEE 802.3at GbE PoE (30W)

NVIDIA® Jetson Xavier™ NX will be available until 2026\*

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                                                                                                                                                                       |
| 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 128-bit LPDDR4x onboard                                                                                                                                                                     |
| System I/O Outlet     | 1 x C3 USB 2.0<br>1 x M12 X-Code GbE PoE (IEEE 802.3at) (30W)<br>1 x C3 HDMI with FHD supported<br>1 x M12 S-Code 3-pos AC in power input<br>4 x N-jack antenna opening with water proof design |
| Watchdog Timer        | Built-in Xavier NX                                                                                                                                                                              |
| Storage               | Onboard 16GB eMMC (via Jetson Xavier™ NX)<br>1 x M.2 Key B 2242 with PCIe x2 NVMe SSD slot<br>*The bootable device is supported by eMMC only                                                    |
| Expansion Interface   | 1 x Full-size PCI Express Mini Card slot (USB + PCI Express signal)<br>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)                                                                                                                                                                |
| Humidity              | 10% - 95% , non-condensing                                                                                                                                                                      |
| Vibration Endurance   | 3 Grms with SSD (5 to 500Hz, X, Y, Z directions)                                                                                                                                                |
| Dimensions            | 366.8 mm (14.44") (W) x 235 mm (9.25") (D) x 83.8 mm (3.3") (H)                                                                                                                                 |
| Weight (net/gross)    | 4.13 kg (9.11 lb)/5.5 kg (12.13 lb)                                                                                                                                                             |
| Certifications        | CE, FCC Class A                                                                                                                                                                                 |
| OS Support            | Linux Ubuntu 18.04                                                                                                                                                                              |

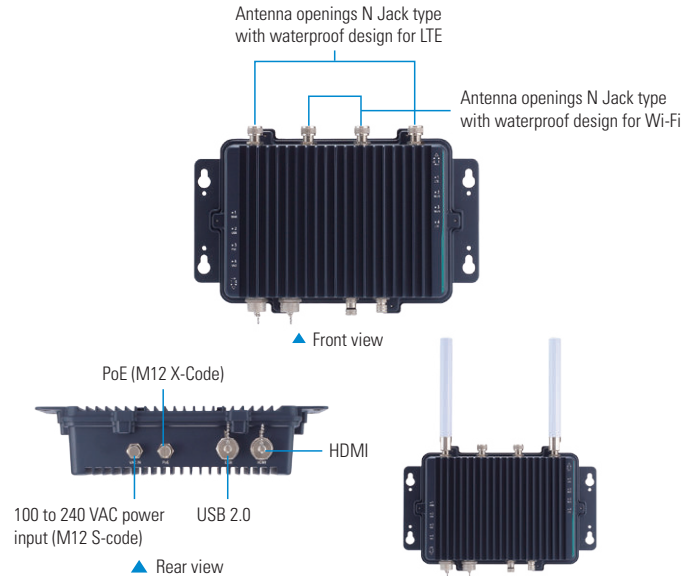
## Packing List

- 1 x Screws pack
- 1 x Thermal pad kit

## Power Protection

### DC Version

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



## Ordering Information

### Standard

|               |                                                                                                                                   |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------|
| AIE800-904-FL | Rugged IP67-rated fanless edge AI system with NVIDIA® Jetson Xavier™ NX, 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.

## Dimensions

