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 10 kV 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 |
| GPU | 8-core NVIDIA® Carmel ARM® v8.2 64-bit CPU 6 MB L2 + 4 MB L3 |
| System Memory | 8GB 128-bit LPDDR4x onboard |
| System I/O | 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 5-Socket 3-pos. AC in power input |
| | 4 x N-jack antenna opening with waterproof design |
| Watchdog Timer | Built-in Xavier NX |
| Storage | Onboard 16GB eMMC (via Jetson Xavier™ NX) |
| | 1 x M.2 Key Q8242 with PCIe x2 NVMe SSD slot |
| 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 10 kV 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
- 594B8152710E 128GB or above
- 594K2303810E LAN/PoE cable,180 cm
- 594K2302810E HDMI cable, 100 cm
- 594K2300A10E USB cable, 200 cm
- 594K2300A10E AC power cord, wire only, 180 cm
- 594K2300A10E Wi-Fi module kit
- 594K2300A10E LTE module kit

* Specifications and certifications may vary based on different requirements.

Dimensions

Reference Only

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* All specifications and photos are subject to change without notice.