AIE100-903-FL-NX NEW

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

Features
- NVIDIA® Jetson™ Xavier NX with Volta™ GPU architecture with 384 NVIDIA CUDA® cores
- High AI computing performance for GPU-accelerated processing
- Ideal for edge AI smart city applications
- Supports one 15W GbE PoE for camera
- Wide operating temperature from -30°C to +50°C
- JetPack supported

Specifications
- Standard Color: Silver
- Construction: Aluminum extrusion and heavy-duty steel, IP40
- CPU Board: NVIDIA® Jetson™ Xavier NX
- GPU: 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: 1 x 8GB 128-bit LPDDR4x onboard
- Carried Board: SBC87903
- System I/O Outlet: 1 x HDMI 2.0 with 4K2K supported
- 1 x 10/100/1000 Mbps Ethernet (Via Jetson™ Xavier NX)
- 1 x 10/100/1000 Mbps PoE (Intel® i210-IT; max. up to 15W)
- 1 x USB 3.1 Gen2, 1 x USB 2.0
- 1 x Micro USB
- 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
- Watchdog Timer: Built-in Xavier NX
- Storage: Onboard 16GB eMMC (via Jetson™ Xavier NX)
- 1 x M.2 NVMe SSD slot
- Expansion Interface: 1 x Full-size PCIe Express Mini Card slot (USB + PCIe 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 +50°C (-22°F to +122°F)
- Humidity: 10% - 95%, non-condensing
- Vibration Endurance: 3 Gsims with M.2 (5 to 500Hz, X, Y, Z directions)
- Dimensions: 147.4 mm (5.8") (W) x 129.8 mm (5.11") (D) x 34.6 mm (1.36") (H)
- Weight (net/gross): TBC
- Certifications: CE, FCC Class A
- GS Support: Linux Ubuntu 18.04

Power Protection
- DC Version
  - OVP (over voltage protection)
  - OCP (over current protection)
  - UVP (under voltage protection)
  - SCP (short circuit protection)

Ordering Information

Standard
- AIE100-903-FL-NX
- Fanless edge AI system with NVIDIA® Jetson™ Xavier NX SoM, 1 HDMI, 1 GbE LAN, 1 GbE PoE and 2 USB

Optional
- M.2 NVMe SSD
  - Wall mount kit
  - DIN-rail kit
  - VESA mount kit
  - 128GB or above
  - LTE module
  - Wi-Fi module
  - 12V/60W adapter
  - Power cord

* Specifications and certifications may vary based on different requirements.

Dimensions

Packing List
- 1 x Screw pack
- 4 x Foot pad