AIE100-903-FL NEW
Fanless Edge AI System with NVIDIA® Jetson Nano™ SoM, 1 HDMI, 1 GbE LAN, 1 GbE PoE and 2 USB

Features

- NVIDIA® Jetson Nano™ with Maxwell™ GPU architecture with 128 NVIDIA CUDA® cores
- High AI computing performance for GPU-accelerated processing
- Ideal for edge AI smart city applications
- Optional IP42 cover kit for semi-outdoor applications
- Supports one 15W GbE PoE for camera
- Wide operating temperature from -30°C to +60°C
- JetPack supported

Specifications

- Standard Color Silver
- Construction Aluminum extrusion and heavy-duty steel, IP40 (without IP42 cover kit)
- CPU Board NVIDIA® Jetson Nano™
- GPU Quad-core ARM® Cortex®-A57 MPCore processor
- GPU NVIDIA Maxwell™ GPU architecture with 128 NVIDIA CUDA® cores
- System Memory 1 x 4GB 64-bit LPDDR4 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™ Nano)
  1 x 10/100/1000 Mbps PoE (Intel® i210-IT, max. up to 15W)
  1 x USB 3.0, 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
- Watchdog Timer Built-in Nano
- Storage Onboard 16GB eMMC (via Jetson™ Nano)
- Expansion Interface 1 x Full-size PCI Express Mini Card slot (USB + PCI Express signal)
- 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]
- Humidity 10% - 95%, non-condensing
- Vibration Endurance 3 Gms 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) 1 kg (2.20lb)/1.6 kg (3.52lb)
- Certifications CE, FCC Class A
- OS Support Linux Ubuntu 18.04

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)

Ordering Information

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

Optional
- M.2 NVMe SSD 128GB or above
- LTE module
- Wall mount kit
- DIN-rail kit
- VESA mount kit
- Power cord
- Wi-Fi module

Dimensions

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

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