AIE500-901-FL

Fanless Edge AI System with NVIDIA® JETSON™ TX2 Series SoM, 1 HDMI 2.0, 2 GbE LAN, 2 USB, 2 COM or 2 CAN and 12 or 24 VDC

Features

- NVIDIA® Jetson™ TX2 with Pascal™, 256 CUDA cores GPU
- High performance AI computing for GPU-accelerated processing
- Ideal for intelligent edge applications, machine learning and computer vision
- Supports M.2 PCIe & SATA SSD and MicroSD slot
- Supports 2 USB 3.1 Gen 1 and 2 COM or 2 CAN
- Wide operating temperature from -30°C to +60°C
- JetPack supported

Specifications

- Standard Color: Silver
- Construction: Aluminum extrusion and heavy-duty steel, IP40
- CPU Board: NVIDIA® Jetson™ TX2
- CPU: HMP Dual Denver 2/2 MB L2 + Quad ARM® A57/2 MB L2
- GPU: NVIDIA® Pascal™, 256 CUDA cores
- System Memory: 1 x 8GB 128-bit LPDDR4@1866 MHz onboard
- Carried Board: SBC87901
- System I/O Outlet:
  - 1 x HDMI 2.0 with 4K Ultra HD supported
  - 2 x 10/100/1000 Mbps Ethernet (NVIDIA® + Intel® i210-IT)
  - 2 x USB 3.1 Gen1
  - 1 x Recovery switch
  - 1 x Power button
  - 1 x 12 or 24 VDC power input connector
  - 4 x SMA-type antenna connector
- Watchdog Timer: Built-in TX2
- Storage:
  - Onboard 32GB eMMC (via Jetson™ TX2 8GB)
  - 1 x M.2 Key M 2280 with PCIe x1 and SATA SSD slot
  - 1 x Micro SD slot
- Wireless Module:
  - 802.11ac WLAN, Bluetooth onboard (TX2 8GB only)
- Expansion Interface:
  - 1 x Full-size PCI Express Mini Card slot (USB + PCI Express signal)
  - *Either Mini PCIe connector or Micro USB (select by recovery switch)
  - 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 or 24 VDC
- Operating Temperature: -30°C to +60°C (-22°F to +140°F)
- Humidity: 10% - 95%, non-condensing
- Vibration Endurance: 3 Grms with M.2 (5 to 500Hz, X, Y, Z directions)
- Dimensions: 171 mm (6.73") (W) x 110 mm (4.33") (D) x 57 mm (2.24") (H)
- Weight (net/gross): 0.9 kg (2.0 lb)/1.6 kg (3.5 lb)
- Certifications: CE, FCC Class A
- OS Support: Linux Ubuntu 18.04

Packing List

- 1 x Terminal block connector
- 1 x Screw pack
- 4 x Foot pad
- 2 x Antennas for WLAN (TX2 8GB only)

Power Protection

DC Version

- OVP (over voltage protection)
- OCP (over current protection)

Ordering Information

- AIE500-901-FL Fanless edge AI system with NVIDIA® JETSON™ TX2 series SoM, 1 HDMI 2.0, 2 GbE LAN, 2 USB, 2 COM or 2 CAN and 12 or 24 VDC

Optional

- O26K5601050E Wall mount kit
- 8816K560AA0E VESA arm kit
- 8816K560BA0E DIN-rail kit
- M.2 PCIe SSD
- M.2 SATA SSD
- LTE module
- 5090524000E 24V, 120W adapter

* Specifications and certifications may vary based on different requirements.

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