AIE500-901-FL

Featureless Edge AI System with NVIDIA® JETSON™ TX2 Series SoM, 1 HDMI, 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
- GPU HMP Dual Denver 2/2 MB L2 + Quad ARM® A57/2 MB L2
- System Memory 1 x 8GB 128-bit LPDDR4@1866 MHz onboard
- Carried Board SBC87901
- System I/O Outlet 1 x HDMI 2.0 with 4K2K supported
- 2 x 10/100/1000 Mbps Ethernet (NVIDIA® + Intel® i210-IT)
- 2 x USB 3.1 Gen1
- 1 x Micro USB
- 2 x RS-232 default (or 2 x CAN by jumper settings)
- 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)
- Optional 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 (1.98 lb)/1.6 kg (3.52 lb)
- Certifications CE, FCC Class A
- OS Support Linux Ubuntu 18.04

Power Protection
- DC Version
  - OVP (over voltage protection)
  - OCP (over current protection)

Ordering Information

Standard
- 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
- O2K5601050E Wall mount kit
- 8816K560BA0E VESA arm kit
- 8816K560BA0E DIN-rail kit
- M.2 PCIe SSD 64GB or above
- M.2 SATA SSD 64GB or above
- LTE module
- S90624000E 24V, 120W adapter
* Specifications and certifications may vary based on different requirements.

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

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