

AIE500-901-FL NEW

Fanless 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

NVIDIA TX2 available through to January 2025*
The official end of life notice will be sent for at least 8 months before the last shipment.

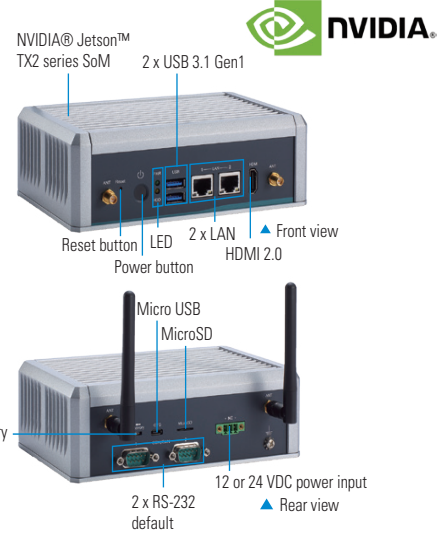


Specifications

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 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 Reset button 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 (1.98 lb)/1.6 kg (3.52 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

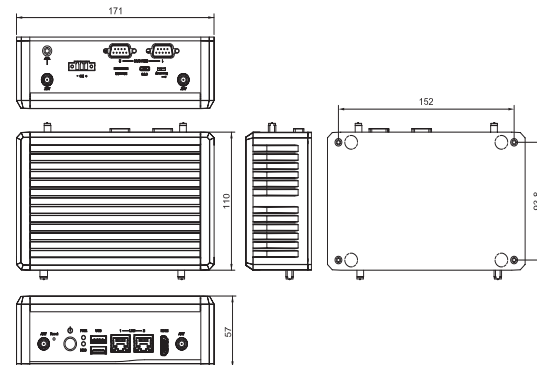
- DC Version**
OVP (over voltage protection)
OCP (over current protection)

Ordering Information

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	
827H5000030E	Wall mount kit
827H5000040E	VESA arm kit
827H5000050E	DIN-rail kit
M.2 PCIe SSD	64GB or above
M.2 SATA SSD	64GB or above
	LTE module
50906D24000E	24V, 120W adapter

* Specifications and certifications may vary based on different requirements.

Dimensions



Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

US

sales@assured-systems.com

Sales: +1 347 719 4508
Support: +1 347 719 4508

1309 Coffeen Ave
Ste 1200
Sheridan
WY 82801
USA

EMEA

sales@assured-systems.com

Sales: +44 (0)1785 879 050
Support: +44 (0)1785 879 050

Unit A5 Douglas Park
Stone Business Park
Stone
ST15 0YJ
United Kingdom

VAT Number: 120 9546 28
Business Registration Number: 07699660