**AIE100-T2NX**

Fanless Edge AI System with NVIDIA® Jetson™ TX2 NX, HDMI, GbE LAN, GbE PoE, 2 USB, and Allxon Device Management Solutions

**Features**

- NVIDIA® Jetson™ TX2 NX with Pascal™ architecture GPU with 256 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 +60°C
- Supports JetPack
- Supports Allxon Device Management Solutions (Allxon DMS)

NVIDIA® Jetson™ TX2 NX will be available until 2026*

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

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**Specifications**

- **Standard Color**: Silver
- **Construction**: Aluminum extrusion and heavy-duty steel, IP40 (without IP42 cover kit)
- **AI Accelerator**: NVIDIA® Jetson™ TX2 NX
- **CPU**: Dual-Core NVIDIA Denver 2 64-Bit CPU and Quad-Core Arm® Cortex®-A57 MPCore processor
- **GPU**: 256-core NVIDIA Pascal™ GPU
- **System Memory**: 4GB 128-bit LPDDR4 51.2GB/s
- **Carried Board**: SBC87903
- **System I/O Outlet**: 1 x HDMI 2.0 with 4K2K supported
- **1 x 10/100/1000 Mbps Ethernet (Via Jetson™ TX2 NX)**
- **1 x 10/100/1000 Mbps PoE (Intel® i210-IT; max. up to 15W)**
- **1 x USB 3.1 Gen1, 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 TX2 NX
- **Storage**: Onboard 16GB eMMC (Via Jetson™ TX2 NX)
  - **1 x M.2 Key M 2280 with PCIe x4 NVMe SSD slot**
  - **1 x Micro SD slot**
  - *The bootable device is supported by eMMC only*
- **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 Gsims with M.2 (5 to 500Hz, X, Y, Z directions)
- **Dimensions**: 148.6 mm (5.85”) (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

**Remote Management Enrollment**

Enroll in 24/7 secure service to get full feature of remote device management on one centralized cloud portal – Allxon Portal

*Enrollment Page: https://allxon.com/jetson/device_enroll/

**Packing List**

1 x Screw pack
4 x Foot pad

**Power Protection**

**AC Version**

- OVP (over voltage protection)
- OCP (over current protection)
- SCP (short circuit protection)

**Ordering Information**

**Standard**

<table>
<thead>
<tr>
<th>Model</th>
<th>Feature</th>
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<tbody>
<tr>
<td>AIE100-T2NX-1L1P</td>
<td>Fanless edge AI system with NVIDIA® Jetson™ TX2 NX SoM, 1 HDMI, 1 GbE LAN, 1 GbE PoE, and 2 USB</td>
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**Optional**

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

**Specifications and certifications may vary based on different requirements.**

**Dimensions**

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