

AITAS-EN303

AI Technology of APLEX Solution

Industrial Panel PC

HMI Controller

Industrial
Display Monitor

AI

Features

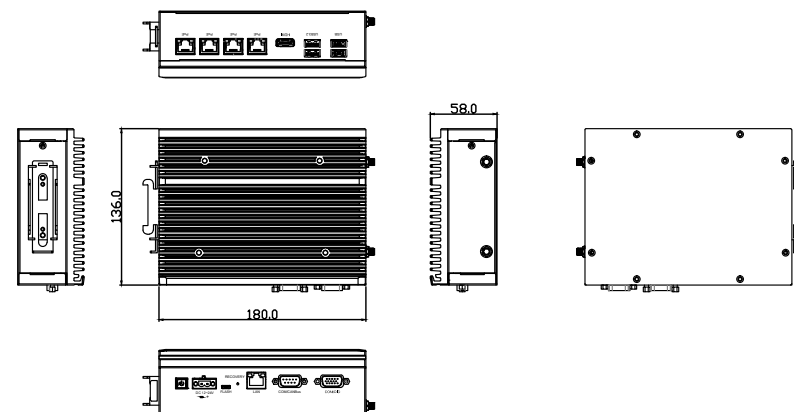
AITAS-EN303, powered by Jetson Orin NX 16G, is a reliable and powerful AI inference device designed for edge applications. It delivers full bandwidth and power capabilities, efficiently scaling video inputs for seamless AI inference. Key features include:

- NVIDIA Jetson Orin NX 16GB
- 1 x M.2 2280 M-Key
- 1 x RJ-45 GbE Ports
- Wide Power Input Range 12~24V DC
- Operating temperature -15°C ~ +60°C
- Fanless Design

Specifications

System	
Module Compatibility	NVIDIA Jetson Orin NX 16GB
AI Performance	100 TOPS
GPU	1024 Core NVIDIA Ampere, with 32 Tensor Cores
CPU	8-core Arm Cortex-A78AE v8.2 64-bit 2MB L2 + 4MB L3
Memory	16GB 128-bit LPDDR5 102.4 GB/s
Storage	1 x M.2 2280 M-Key
Display	1 x HDMI 2.0 Type A
LAN	1 x RJ-45 GbE Port
PoE Interface	4 x RJ-45 GbE PSE (IEEE 802.3af compliant, Max.60W)
USB	4 x USB 3.2 Gen2 Type A 1 x Micro USB (for OS Flash)
I/O Interfaces	1 x DB-9 for RS-232 (Rx/Tx/CTS/RTS)/485/ 1 x CANBus FD 1 x DB-15 for RS-232 (Rx/Tx)/422/485 / 8 x DIO 2 x Antenna
Expansion	1 x M.2 2280 M-Key (NVMe) 1 x M.2 3042/3052 B-Key 1 x M.2 2230 E-Key 1 x SIM Slot
MISC. Function	1 x Recovery Button 1 x Power Button
Indicator Power	1 x LED
OS Support	Ubuntu 22.04 LTS(NVIDIA Jetpack 5.0 up)

Dimensions



UNIT: mm
Tolerance: ±0.5

Power Supply

Power Input /Connector	DC-in 12~24V DC / 2 pins terminal block
Power Consumption	Full Loading : 120 W (19V @ 6.32A)

Operating Environment

Certification	CE / FCC Class A
Environmental Spec	Operating Temp.: -15~60°C (5~140°F) with 0.5 m/s air flow Storage Temp.: -40~85°C (-40~185°F)

Dimensions and Weight

Height	58 mm
Width	180 mm
Depth	136 mm
Mounting	Wall Mount, Din Rail

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