

## Features

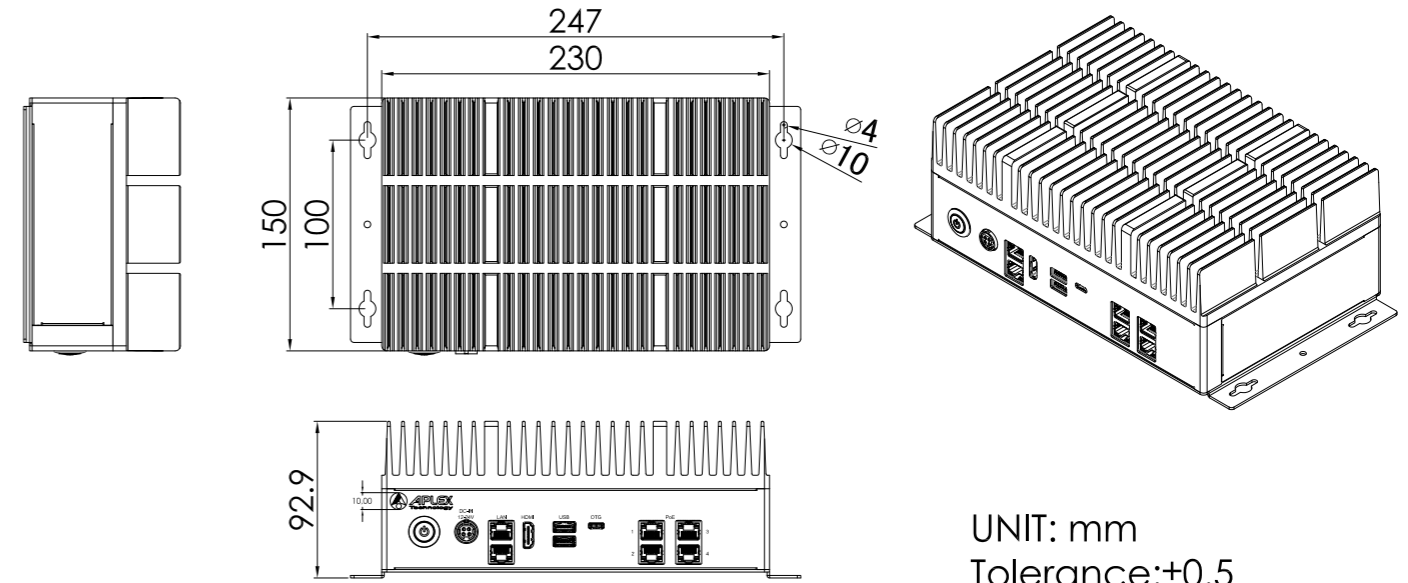
Spotting as reliable and powerful AI inference device, AITAS-EN301 is the standard product that using Orin NX/Orin Nano Series. The AITAS-EN301 offering users full bandwidth and power package to complement and scale video inputs for AI inference on the edge. The feature following as below:

- Supports NVIDIA Jetson Orin Nano/NX Series
- 1 x M.2 B-Key/E-Key/M-Key (128GB built-in)
- 2/4 x IEEE 802.3af GbE PSE ports
- 2 x RJ-45 GbE Ports
- Wide Power Input Range 12~24V DC
- Supports OOB (out-of-band) powered by Innodisk (optional)
- Operating temperature -25~55°C
- Fan-less 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 NVMe M-Key 2242 (128GB built-in)
Display	1 x HDMI 2.0 Type A
LAN	2 x RJ-45 GbE Ports
PoE Interface	2/4 x RJ-45 GbE PSE (IEEE 802.3af compliant, Power Output 15W per Port)
USB	2 x USB 3.2 Gen2 Type A (supports up to 10Gbps shared) 1 x OTG Type-C
I/O Interfaces	5 x GPIO, 1 x UART, 1 x I2C, 1 x RS-232, 1 x RS-422/485, 1 x CAN (isolation; support CAN FD)
Expansion	1 x M.2 B-Key 3042/3052 (LTE/5G) 1 x M.2 E-Key 2230 (Wifi/BT) 1 x M.2 M-Key 2242 (NVMe 128GB built-in)
MISC. Function	1 x Power Button, 1 x Recovery Button, 1 x Reset Button

## Dimensions



UNIT: mm  
Tolerance: ±0.5

Power Supply	
Power Input /Connector	DC-in 12-24VDC / 4-Pin DC Jack Power Connector
Power Consumption	Idle: 6.413 W Full Loading: 89.13* W

Operating Environment	
Certification	CE / FCC Class A / UKCA
Environmental Spec	Operating Temp.: -25~55°C (-13~131°F) with 0.5 m/s air flow Storage Temp.: -40~85°C (-40~185°F)

Dimensions and Weight	
Height	150 mm
Width	247 mm
Depth	92.9 mm
Mounting	Wall Mount (Default) / Din Rail (optional)