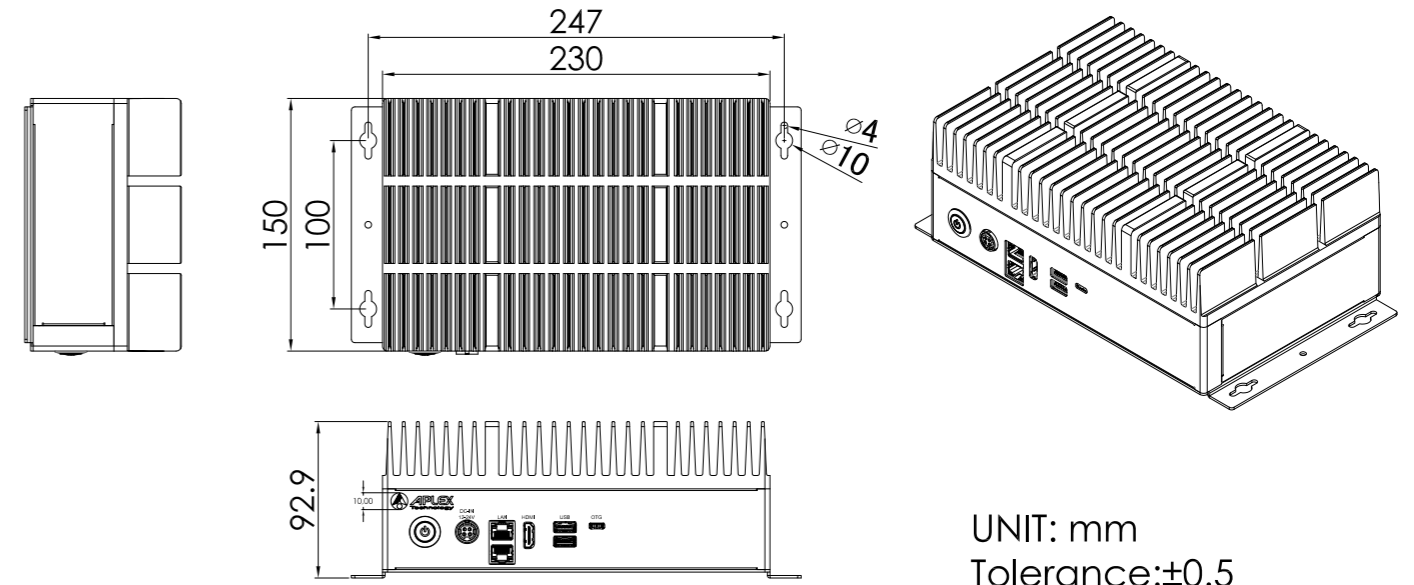## Features

Spotting as reliable and powerful AI inference device, AITAS-EN300 is the standard product that using Orin NX/Orin Nano Series. The AITAS-EN300 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 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 8GB
AI Performance	70 TOPS
GPU	1024 Core NVIDIA Ampere, with 32 Tensor Cores
CPU	6-core Arm Cortex-A78AE v8.2 64-bit 1.5MB L2 + 4MB L3
Memory	8GB 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
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)

V 1.0