

# NTAI-EAI-NV-O-AGX-001



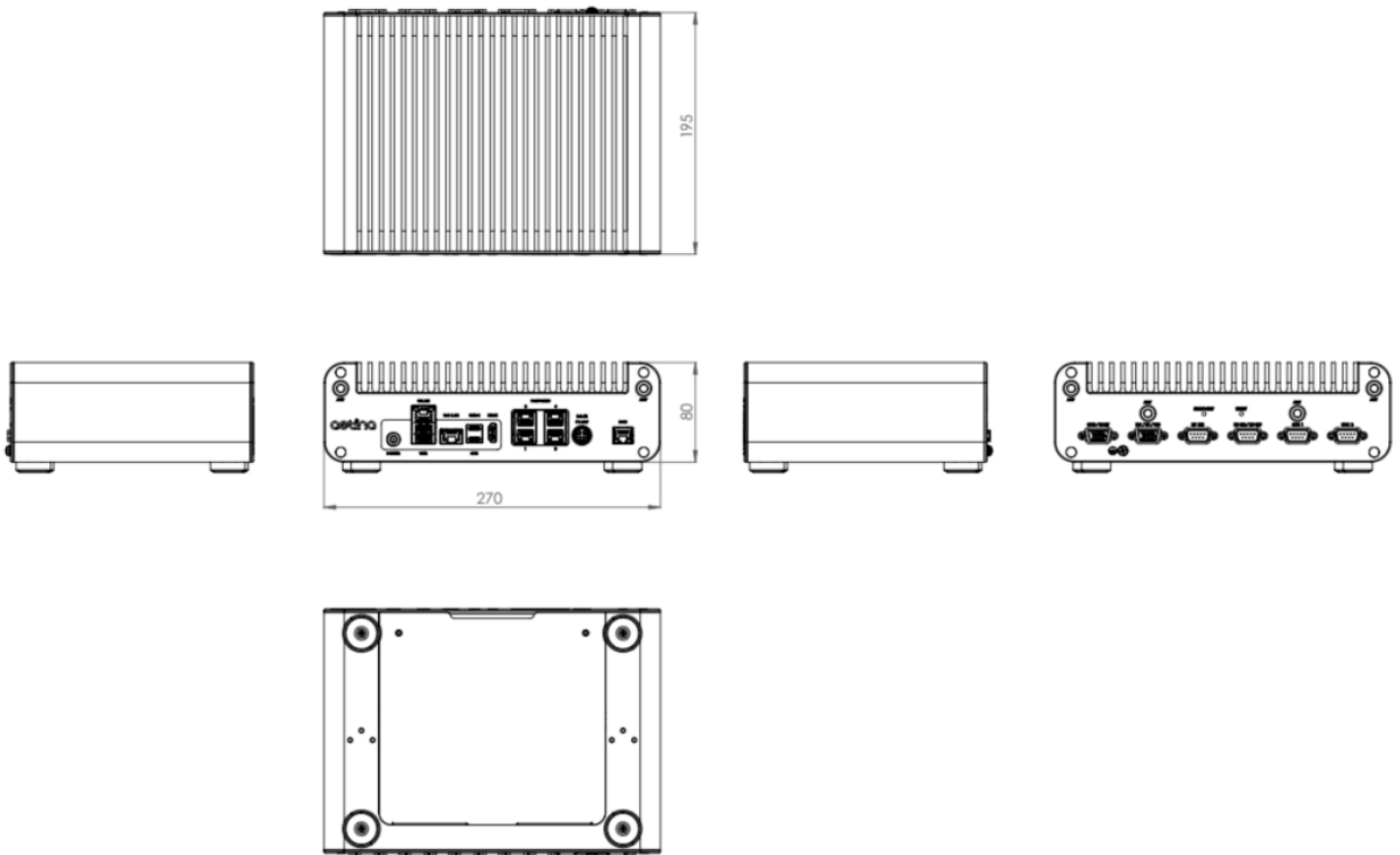
## Features

- Supports NVIDIA Jetson AGX Orin 64GB
- 4 x IEEE 802.3af GbE PSE ports
- 1 x GbE/10GbE LAN port
- 1 x M.2 B-Key/1 x M.2 E-Key/1 x M.2 M-Key slot
- Wide Input Voltage Range 9 to 36 VDC
- Operating Temperature -25°C ~ +55°C
- Fanless Design

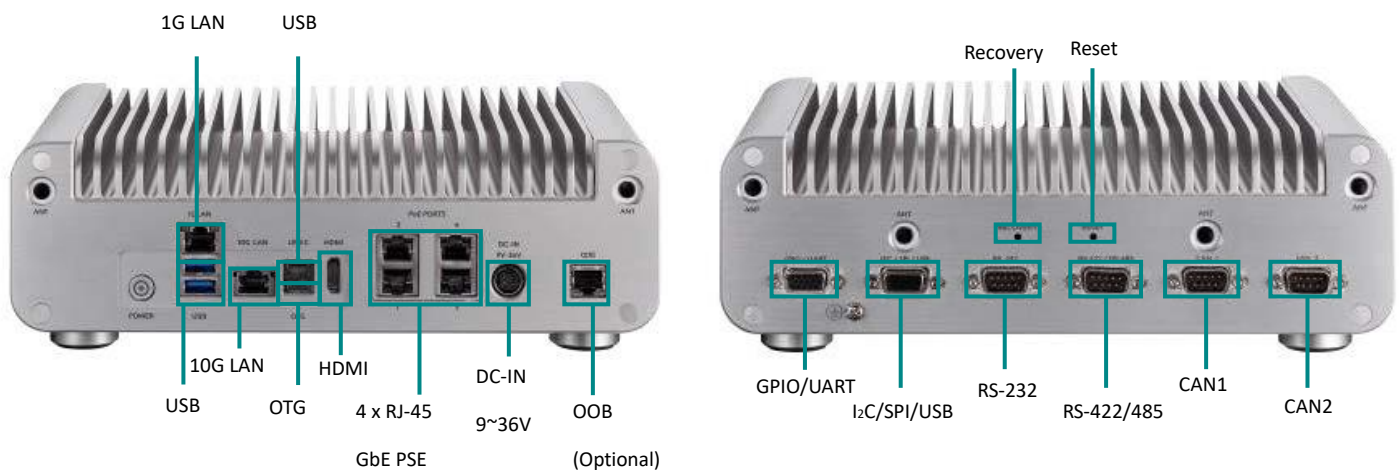
## Specifications

Spec Item	Description
Module Compatibility	NVIDIA Jetson AGX Orin 64GB
AI Performance	275 TOPS
GPU	2048-core NVIDIA Ampere GPU with 64 Tensor Cores
CPU	12-core Arm® Cortex® -A78AE v8.2 64-bit CPU 3MB L2 + 6MB L3
Memory	64GB 256-bit LPDDR5 204.8 GB/s
Storage	64GB eMMC 5.1
Display	1 x HDMI 2.0 Type A
TPM	TPM v2.0 (optional)
LAN	1 x RJ-45 GbE, 1 x RJ-45 10GbE
PoE Interface	4 x RJ-45 GbE PSE (IEEE 802.3af compliant, Power Output 15W per Port)
USB	2 x USB 3.2 Gen1 Type A, 1 x USB 2.0 (DB-15), 1 x OTG Type-C, 1 x USB 3.2 Gen2 Type-C
I/O Interfaces	2 x I2C, 1 x SPI, 5 x GPIO, 2 x UART, 1 x RS-232, 1 x RS-422/485 2 x CAN 2.0b w/ isolation, 1 x micro SIM Card Slot, 1 x OOB (optional)
Expansion	1 x M.2 B-Key 3042/3052 (LTE/4G/5G, USB 3.2/USB 2.0) 1 x M.2 E-Key 2230 (WiFi/BT, PCIe/USB 2.0) 1 x M.2 M-Key 2280 (supports NVMe, PCIe x2 Gen4), 1 x microSD Card Slot
MISC. Function	1 x Power / Recovery / Reset Button
Power Input / Connector	DC-IN 9 to 36 VDC / 4-Pin DC Jack Power Connector
Power Consumption	Idle: 8 W Full Loading: 130* W
Dimension (W x Dx H)	270 x 195 x 80 mm (10.63 x 7.67 x 3.15 in)
Mounting	Wall Mount (optional) / Din Rail (optional)
Net Weight	4.3 kg (9.48 lb)
Vibration	1 Grms, IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis
Shock	10 G, IEC 60068-2-27, half sine, 11 ms duration
Temperature	Operating Temperature: -25°C ~ +55°C (-13°F ~ +131°F) Storage Temperature: -40°C ~ +85°C (-40°F ~ +185°F)
Humidity	95% @ 40°C (104°F) (non-condensing)
OS Support	Ubuntu 20.04
Certification	CE / FCC Class A / UKCA

## System & Mounting Dimensions



## I/O Mechanical Layout



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