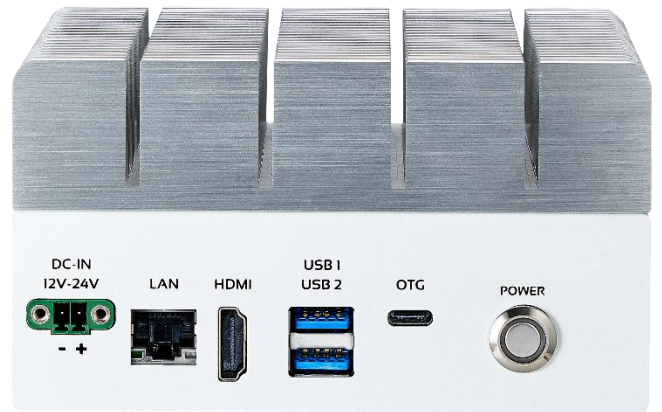


NTAI-EAI-NV-O-NANO-001



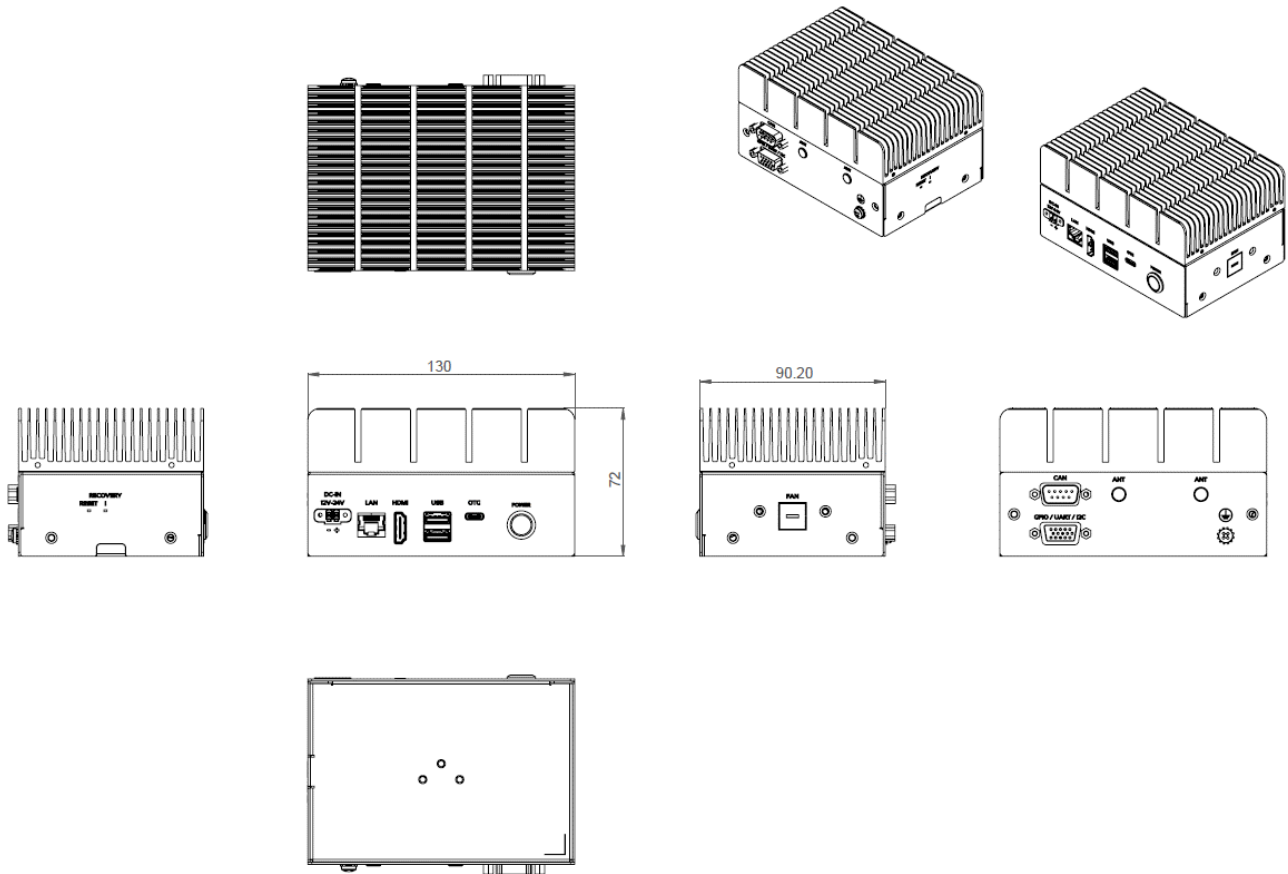
Features

- Supports NVIDIA Jetson Orin Nano Series
- 1 x M.2 E-Key/M-Key (128GB built-in)
- 1 x RJ-45 GbE Port
- Wide Power Input Range 12 to 24 VDC
- Operating temperature -25°C ~ +55°C
- Fanless Design

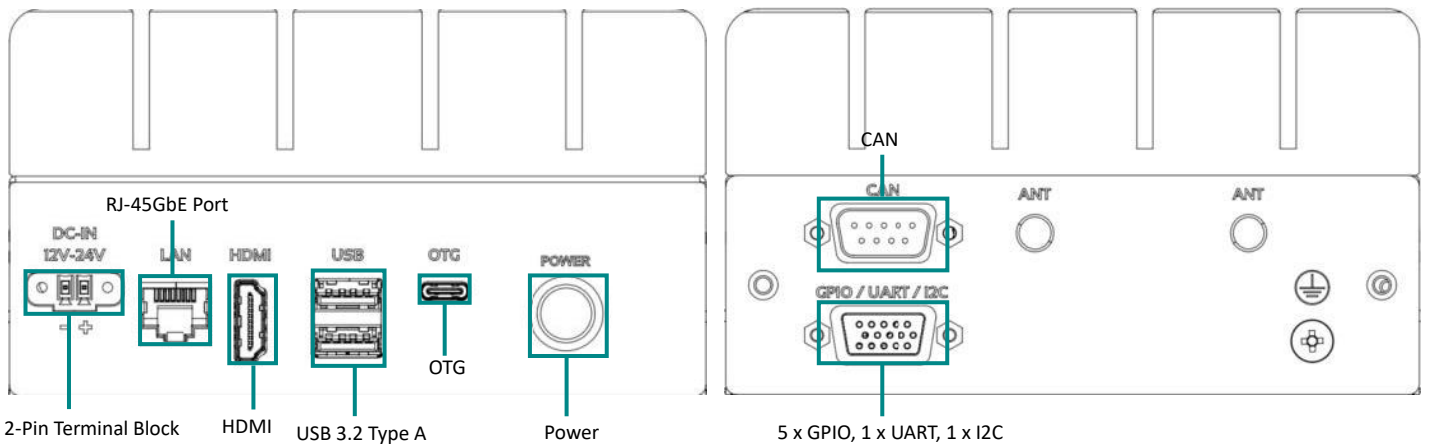
Specifications

Spec Item	Description
Module Compatibility	NVIDIA Jetson Orin Nano 8G
AI Performance	40 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 68 GB/s
Storage	1 x M.2 M-Key 2242 (128GB built-in)
Display	1 x HDMI 2.0 Type A
RTC	With super capacitor, battery (optional)
LAN	1 x RJ-45 GbE Port
USB	2 x USB 3.2 Gen2 Type A 1 x OTG Type-C
I/O Interfaces	5 x GPIO, 1 x UART, 1 x I2C, 1 x CAN (Isolation)
Expansion	1 x M.2 E-Key 2230 (WiFi/BT, PCIe/USB 2.0) 1 x NVMe M.2 M-Key 2242 (128GB built-in)
MISC. Function	1 x Power Button, 1 x Recovery Button, 1 x Reset Button 1 x CAN 2.0b with isolation
Power Input / Connector	DC-in 12-24 VDC / 2-Pin Terminal Block
Power Consumption	Idle: 3.7 W, Full Loading: 35.5* W *For more test condition information, please refer to user manual
Dimension (W x Dx H)	130 x 90.2 x 72 mm (5.11 x 3.55 x 2.83 in)
Mounting	Wall Mount (optional) / Din Rail (optional)
Net Weight	0.927 kg (2.044 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 Temp.: -25°C ~ +55°C (-13°F ~ +131°F) Storage Temp.: -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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