



AEC-2001

NVIDIA® Jetson Orin Nano AI Embedded Computer



Features

- Supports NVIDIA® Jetson Orin™ Nano, Super Mode supported
- 1 x GbE port
- 4 x USB 3.2 ports
- 1 x HDMI 2.0 port
- DC 9 ~ 24V wide range power input

System

CPU	6-core Arm® Cortex®-A78AE v8.2 64-bit (AEC-2001-08)
Memory	8GB LPDDR5 DRAM
GPU	1024-core NVIDIA Ampere™ architecture GPU with 32 Tensor cores
Storage	1 x M.2 M-Key (2280), 256GB NVMe SSD (default), optional up to 1TB

I/O

LAN	1 x GbE port
USB Port	1 x USB 2.0 port w/ USB Type C recovery 4 x USB 3.2 Gen1 ports w/ Type A connector
Expansion	1 x M.2 M-Key 2280 Socket (for NVMe SSD) 1 x M.2 E-Key 2230 Socket (for WiFi module) 1 x CAN 2.0 (3-pin terminal block) 1 x OOB supported (Optional)
Video Port	1 x HDMI 2.0, 3840 x 2160 4K 30Hz

Environmental

Operating Temp.	-20°C to 65°C (-4°F to 149°F), with 0.63 m/s air flow (TDP: 25W)
Storage Temp.	-40°C ~ 85°C (-40°F ~ 185°F)
Operating Humidity	5 ~ 95% (non-condensing)
Relative Humidity	95% @ 50°C

Power Requirement

Power Input	DC 9V ~ 24V
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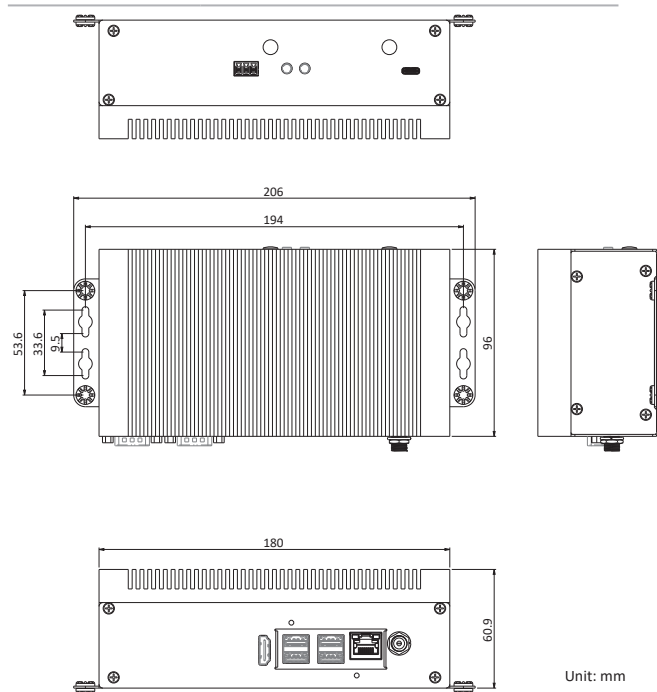
Mechanical

Button	1 x Power Button, 1 x Force Recovery Button
Antenna	Antenna hole for WiFi
Mounting	Wallmount
Weight	1.25 Kg
Dimensions (W x D x H)	180 mm x 96 mm x 60.9 mm

OS Support

Ubuntu 22.04/ NVIDIA JetPack 6.2

Dimensions



Ordering Information

Model	NVIDIA Jetson Module Orin	1x LAN	TOPS
AEC-2001-08	Nano 8GB	v	67