

AEC-2000 Series

NVIDIA® Jetson Orin Nano AI Embedded Computer



Features

- Supports NVIDIA® Jetson Orin™ Nano, support Super Mode
- Support 1 x GbE
- 2 x USB 3.2
- 1 x HDMI 2.0 port
- DC 9~24V wide range power input
- Operating Temperature -25°C ~ +50°C

System

CPU	8-core Arm® Cortex®-A78AE v8.2 64-bit CPU
Memory	4GB/ 8GB LPDDR5 DRAM
GPU	512-core NVIDIA Ampere™ architecture GPU with 16 Tensor cores (AEC-2000-4GB) 1024-core NVIDIA Ampere™ architecture GPU with 32 Tensor cores (AEC-2000-8GB)
Storage	1 x M.2 Key M (2280), 128GB NVMe SSD

I/O

LAN	1 x GbE port
USB Port	1 x USB 2.0 port w/ Type C recovery 2 x USB 3.2 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 2x10-pin headers for 2xI ² C, 1 x UART, 9-bit DIO
Video Port	1 x HDMI 2.0, 3840 x 2160 4K 30Hz

Environmental

Operating Temp.	-25°C to 50°C (-13°F to 122°F), with 0.63 m/s air flow
Storage Temp.	-40 ~ 85°C (-40 ~ 185°F)
Operating Humidity	5 ~ 95% (non-condensing)
Relative Humidity	95% @ 50°C
Shock	Operating, MIL-STD-810H, Method 516.8, Procedure I (TBA)
Vibration	Operating, MIL-STD-810G, Method 514.6, Procedure I, Category 4 (TBA)
EMC	CE,FCC

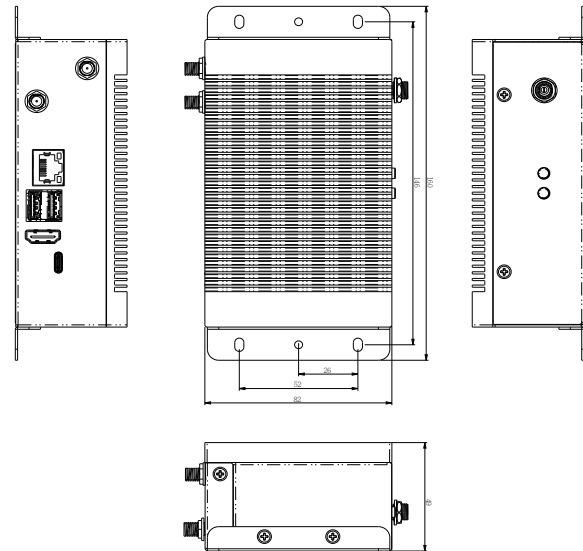
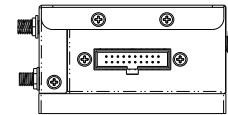
Power Requirement

Power Input	DC 9V ~ 24V
-------------	-------------

Mechanical

Button	1 x Power Button, 1 x Force Recovery Button
Antenna	Antenna hole for WiFi
Mounting	Wallmount

Weight	2 Kg(TBA)
Dimensions (W x D x H)	130 mm x 82 mm x 49 mm



OS Support

Linux / NVIDIA JetPack 6.2

Ordering Information

AEC-2000-4GB	Jetson Orin Nano 4GB, 1x LAN Box PC
AEC-2000-8GB	Jetson Orin Nano 8GB, 1x LAN Box PC