EAI-I133

5G Edge AI Gateway with NVIDIA Jetson Orin NX / Nano

Features

- NVIDIA® Jetson Orin NX/Nano
- AI Performance Up To 100 TOPS
- Up To 1024-core NVIDIA CUDA GPU With 32 Tensor Cores
- Support For 4G LTE/ 5G Sub6 & WiFi
- 3x GbE RJ45, 2x USB 3.0 Gen1, 2x USB 2.0, 1x HDMI, 2x RS232
- 1x M.2 2280 NVMe SSD
- Support Super Mode on NVIDIA Jetpack 6.2 (by SKU)
- TrustZone With Security Boot & OS Protected

Specifications

Platform

CPU	NVIDIA Arm® Cortex A78AE v8.2 64-bit
Frequency	2.0 GHz/1.5 GHz
Core Number	8-core/6-core
Chipset	SoC
GPU	Up To 1024-core NVIDIA Ampere Architecture GPU With 16~32 Tensor Cores

System Memory

Technology	128-bit/64-bit LPDDR5
Max. Capacity	16/8/4 GB (By SKU)

Ethernet

Interface	RJ45
Speed	3x 10/100/1000 Mbps

I/O Interface

Reset Button	1
Power Button	1
Serial	2x DB9 RS232 (TX/RX/CTS/RTS)
Display	1x HDMI
USB	2x USB 3.0 Gen1 2x USB 2.0 Type A

Storage

Type	M.2
Installation	M.2 2280 M-Key (PCIe 3x4)

Expansion

M.2	1x M.2 3042/50/52 B-Key for 5G Sub6 1x M.2 2230 E-Key for WiFi

Miscellaneous

Watchdog	Yes
Internal RTC with Li Battery	Yes
TPM	Onboard TPM 2.0

Cooling

Processor	Passive CPU Heatsink
System	Fanless system

Environmental Parameters

Temperature	0°C ~ 40°C Operating -40 ~ 70°C Storage
Humidity (RH)	5~90% Operating 5~ 95% Non-Operating

System Dimensions

WxDxH	167 x 179.5 x 30mm
Weight	1 kg
Mounting	Wall-mount (Optional)

Power

Input	AC, 100-240V @50-60Hz
Output	12V

OS

Linux	Linux Open Source On NVIDIA SDK 6.2

Security

TrustZone Security Boot	Onboard TPM 2.0

Certification

EMC	CE/FCC Class A, UL

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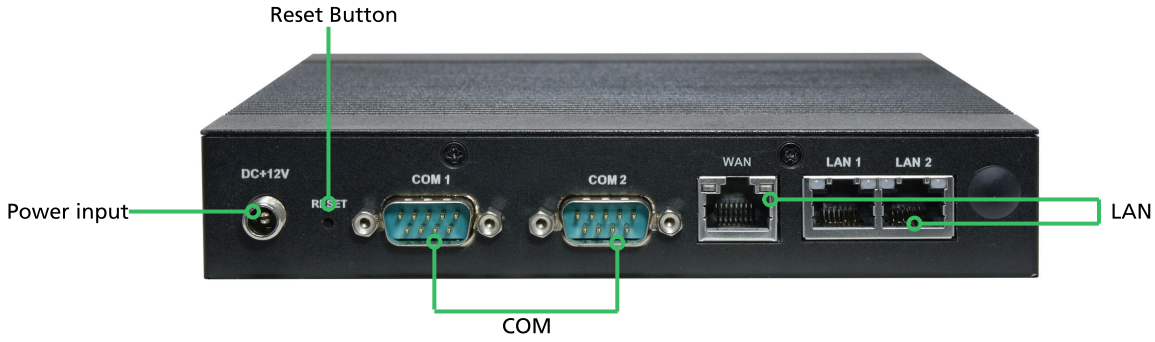
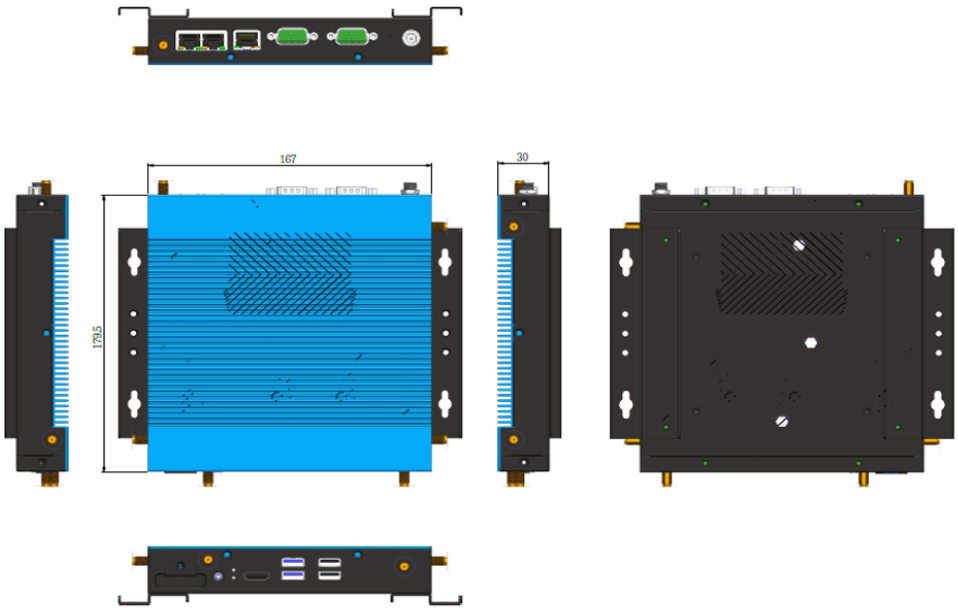
Product I/O View



Dimensions (W x D x H): 167 x 179.5 x 30 mm



Ordering Information

SKU	CPU	Storage	Default Port	Expansion	Power
EAI-I133A	NVIDIA Jetson Orin NX (100 TOPs) With 16GB LPDDR5 Memory	1x M.2 2280 M-Key (PCIe 3x4)	3x GbE RJ45 2x COM 4x USB	1x M.2 304(5)2 B-Key for 5G Sub6 1x M.2 2230 E-Key for WiFi	Rating DC +12V by AC/DC Adapter
EAI-I133B	NVIDIA Jetson Orin NX (70 TOPs) With 8GB LPDDR5 Memory				
EAI-I133C	NVIDIA Jetson Orin Nano (67 TOPs with SuperMode) With 8GB LPDDR5 Memory				
EAI-I133D	NVIDIA Jetson Orin Nano (34 TOPs with SuperMode) With 4GB LPDDR5 Memory				

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