

EAI-I134

Edge AI Gateway Powered by NVIDIA® Jetson Orin™ NX with Super Mode Support



Specifications

Platform

CPU	NVIDIA Arm® Cortex A78AE v8.2 64-bit
SOM	NVIDIA® Jetson Orin NX
Core Number	8-core/6-core
SOM TDP	Max. 40W
GPU	Ampere, 1024 CUDA Cores, 32 Tensor Cores

System Memory

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

Ethernet

Interface	1x RJ45 GbE 2x RJ45 GbE w/ PoE+ (max. 50W) Single Port support 30W
Speed	10/100/1000 Mbps

I/O Interface

Reset Button	1
Power Button	1
Serial	2x COM for RS-232/422/485 (DB9) w/ optional 1x CAN (COM 2)
DIO	4x DI, 2x DO
Display	1x HDMI 2.0
USB	2x USB 3.0 Type A
Audio	1x Line-in, 1x Line-out

Storage

Onboard Slots	1x M.2(NVMe) 2280/2242 M-Key (default 128G)
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Expansion

M.2	1x M.2 2230 E-Key for WiFi 1x M.2 3042/3052 B-Key for 5G Sub6/LTE w/ SIM
SIM Card Slot	2x Nano-SIM (for LTE/5G module)

Features

- NVIDIA® Jetson Orin NX
- AI Performance Up To 157 TOPS (Super Mode on NVIDIA Jetpack 6.2)
- 1024 CUDA Cores, 32 Tensor Cores GPU
- 1x GbE RJ45, 2x RJ45 GbE w/ PoE+
- 2x USB 3.0, 1x HDMI 2.0, 2x RS232/422/485, 4x DI, 2x DO, 1x Line-in, 1x Line-out
- 1x M.2 2230 E-Key for WiFi, 1x M.2 3042/3052 B-Key for 5G Sub6/LTE w/ SIM

Miscellaneous

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

Cooling

Processor	Passive CPU Heatsink
System	1x 12V Fan

Environmental Parameters

Temperature	-40 ~ 70°C Operating -40 ~ 85°C Storage
Humidity (RH)	5~90% Operating 5~ 95% Non-Operating

System Dimensions

WxDxH	201 x 196 x 95 mm
Weight	TBD
Form Factor	Wall mount, Embedded system

Power

Type / Watts	12V/24V
Input	1 *1x2 terminal block System Power Input Rated DC 12V/24V

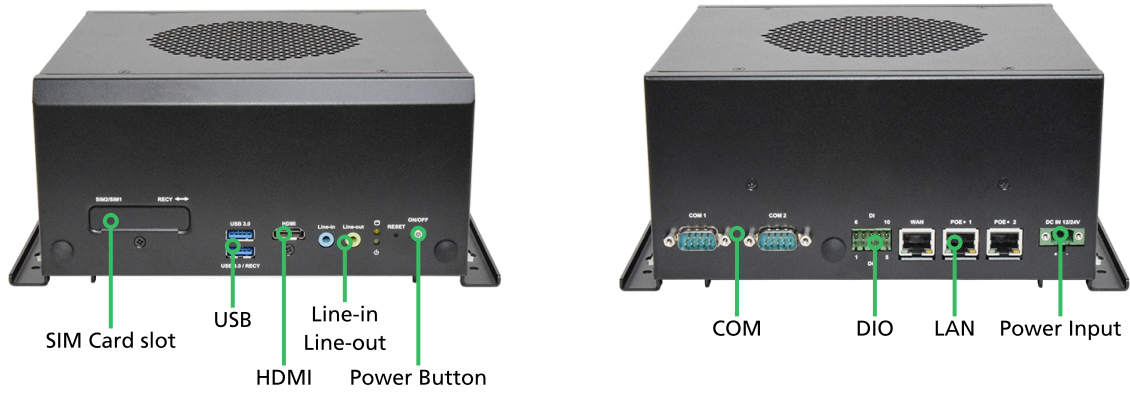
OS

Linux	(NVIDIA Jetpack 6.2) Super mode Ubuntu 22.0.4 LTS
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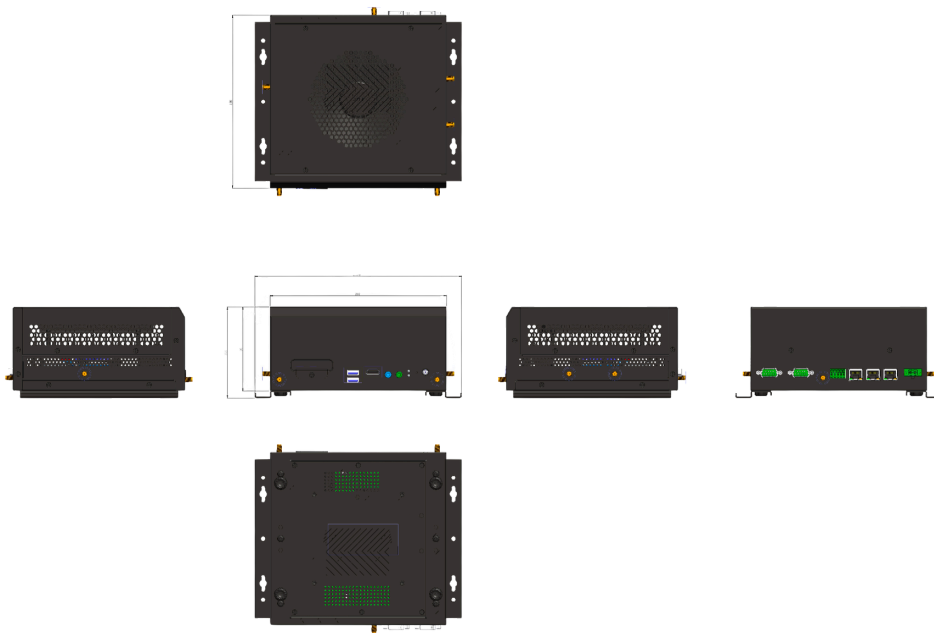
Certification

EMC	CE/FCC Class A, UL+CB
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Product I/O View



Dimensions (W x D x H): 201 x 196 x 95 mm



Ordering Information

SKU	CPU	Memory	Default Port	Expansion	Power
EAI-1134A	Jetson Orin NX 16GB up to 157 TOPS with SuperMode	16GB LPDDR5	1x RJ45 GbE 2x RJ45 GbE w/ PoE+	1x M.2 2230 E-Key for WiFi 1x M.2 3042/3052 B-Key for 5G Sub6/LTE w/ SIM	DC 12V/24V
EAI-1134B	Jetson Orin NX 8GB up to 117 TOPS with SuperMode	8GB LPDDR5	1x HDMI 2.0 2x USB 3.0 2x COM 4x DI, 2x DO		