

EAI-130

Industrial Grade AI Inference System For 5G Edge
With NVIDIA® Jetson Xavier NX/Jetson Nano



■ Features

- NVIDIA® Jetson Xavier NX/Jetson Nano
- AI Performance Up To 21 TOPS
- Up To 384-core NVIDIA Volta™ GPU With 48 Tensor Cores
- 5G and WiFi 6 Supported
- 2x GigE PoE LAN With Support For IEEE 802.3 af/at PoE+ (By SKU)
- 1x HDMI 2.0A/B, 2x USB 2.0, 2x RS232/422/485 (Optional COM2 For CAN 2.0 A/B)
- TPM 2.0 onboard
- TrustZone With Security Boot & OS Protected

■ Specifications

Processor System

CPU	Up To 6-core NVIDIA Carmel ARM®v8.2 64-bit CPU 2MB L2 + 4MB L3
GPU	Up To 384-core NVIDIA Volta™ GPU with 48 Tensor Cores

Memory

Technology	64/128-bit LPDDR4 / 1600 MHz / 51.2 GB/s
Capacity	16/8/4 GB (By SKU)

Ethernet

LAN Ports	2 (By SKU)
Speed	10/100/1000 Mbps
Interface	RJ45
PoE	GigE PoE LANs With Support For IEEE 802.3af/at PoE(+) Under Max. 30W (Surge Protection Up To 2KV)

Storage

Type	M.2
Installation	1x M.2 2280 M-Key (PCIe x4)
Type	eMMC 5.1
Installation	16GB for OS Storage
Type	Standard SD Card
Installation	1x Card Slot

I/O

COM	2x RS232/422/485
CAN	Optional COM2 For CAN 2.0 A/B)
Audio	Line-in, Line-out
USB	2x USB2.0
Display	1x HDMI 2.0A/B @ 4Kp60 With Screw Lock
DIO	4x DI (Support PNP/ NPN / Dry Contact) & 4x DO (Support Dry / Sink), IEC 61131-2 24V With Maximum 200mA

Button

Reset	1x Button
Power	1x Button

AI

Performance	Jetson Xavier™ NX Up To 21 TOPS (INT8), End-to-end Lossless Compression, Tile Caching, OpenGL® 4.6, OpenGL ES 3.2, Vulkan™ 1.1, CUDA® 10
-------------	---

Expansion Interface

M.2	1x M.2 304(5)2 B-Key Socket (USB 3.0) or 5G Sub-6 With Dual SIM Socket Reserved 1x M.2 2230 E-Key Socket (USB2.0 & PCIe) for WiFi (By SKU)
-----	---

Power

Power Type	ATX
Power Supply Voltage	System Power Input Rated DC 12V
Connector	1x 3-pin Terminal Block

Environment

Operating Temperature	0°C to 40°C -40°C~70°C with LTE -40°C~75°C without LTE -40°C~70/75°C without AC-DC power adapter
Storage Temperature	-40°C~70°C
Relative Humidity	5%~90% Operating;5%~95% Non-condensing

Miscellaneous

Internal RTC with Li Battery	Yes
------------------------------	-----

TPM	Onboard TPM 2.0
-----	-----------------

Mechanical

Dimension (W x D x H)	201 x 65 x 196 mm
Weight	2.6 KG
Mounting	Wallmount (Optional VESA mount), Chassis With Intrusion Design

Driver Support

Linux	Linux Open Source On NVIDIA SDK
-------	---------------------------------

Security

TrustZone & Security Boot	U-bootloader & OS Protected
---------------------------	-----------------------------

Certification

EMC	CE/FCC Class A
-----	----------------

■ Ordering Information

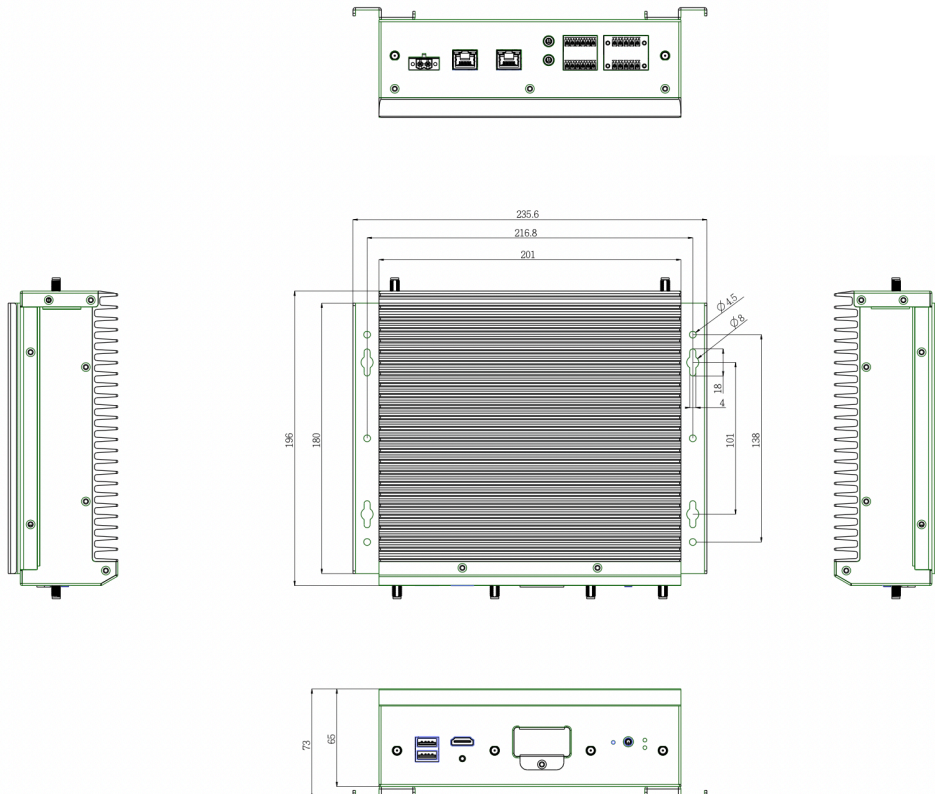
- EAI-1130A** IPC With NVIDIA® Jetson Xavier™ NX, 8GB System Memory, 2x GigE PoE LAN, 1x M.2 B 304(5)2 Key for 5G sub6, 1x M.2 2230 E-Key for WiFi, 2x COM (option for 1x CAN 2.0 A/B from COM2)
- EAI-1130B** IPC With NVIDIA® Jetson Xavier™ NX, 16GB System Memory, 2x GigE PoE LAN, 1x M.2 B 304(5)2 Key for 5G sub6, 1x M.2 2230 E-Key for WiFi, 2x COM (option for 1x CAN 2.0 A/B from COM2)
- EAI-1130C** IPC With NVIDIA® Jetson Nano™ NX, 4GB System Memory, 1x GigE PoE LAN, 1x M.2 B 304(5)2 Key for 5G sub6, 2x COM

■ Product I/O View

Reference images. Please contact Lanner for more information.



■ Dimensions (W x D x H) 201 x 65 x 196 mm



V.2-2024.1.11

Lanner

© Lanner Electronics Inc. All rights reserved.
All product specifications are subject to change without notice.
contact@lannerinc.com | www.lannerinc.com

EAI-1130