

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
- 384-core NVIDIA Volta™ GPU With 48 Tensor Cores
- IP40 Standard Fanless Design & -40°C To 70°C Extended Temperature
- 5G and WiFi 6 Supported
- 2x GigE PoE LANs With Support For IEEE 802.3 af/at PoE+ (By SKU)
- 1x HDMI 2.0A/B, 2x USB 2.0, 2x RS232/422/485 (COM1 & COM2), 1x CAN 2.0A/B (Optional For COM2, By SKU)
- Wallmount, Optional VESA Mount (Chassis With Intrusion Design)

■ Preliminary Specifications

Processor System	
CPU	6-core NVIDIA Carmel ARM®v8.2 64-bit CPU 2MB L2 + 4MB L3
GPU	Volta Architecture With 384 Cuda Cores And 48 Tensor Cores
Memory	
Technology	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	16 GB for OS Storage
Type	Standard SD Card
Installation	1x Card Slot
I/O	
COM	2x RS232/422/485 (COM1 & COM2)
CAN	1x CAN 2.0A/B (Optional For COM2)
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 61121-2, 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) For 5G Sub-6 With Dual SIM Socket Reserved 1x M.2 2230 E Key Socket (USB2.0 & PCIe) For WiFi (By SKU)
Fanless	
	Yes
Cooling	
Processor	Passive CPU Heatsink
System	Fanless Design With Corrugated Aluminum
Power	
Input	System Power Input Rated DC 12V 150W ACDC Adapter
Environment	
Operating Temperature	-40~70c w/ LTE, -40 ~ 75c w/o LTE
Storage Temperature	TBD
Relative Humidity	TBD
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

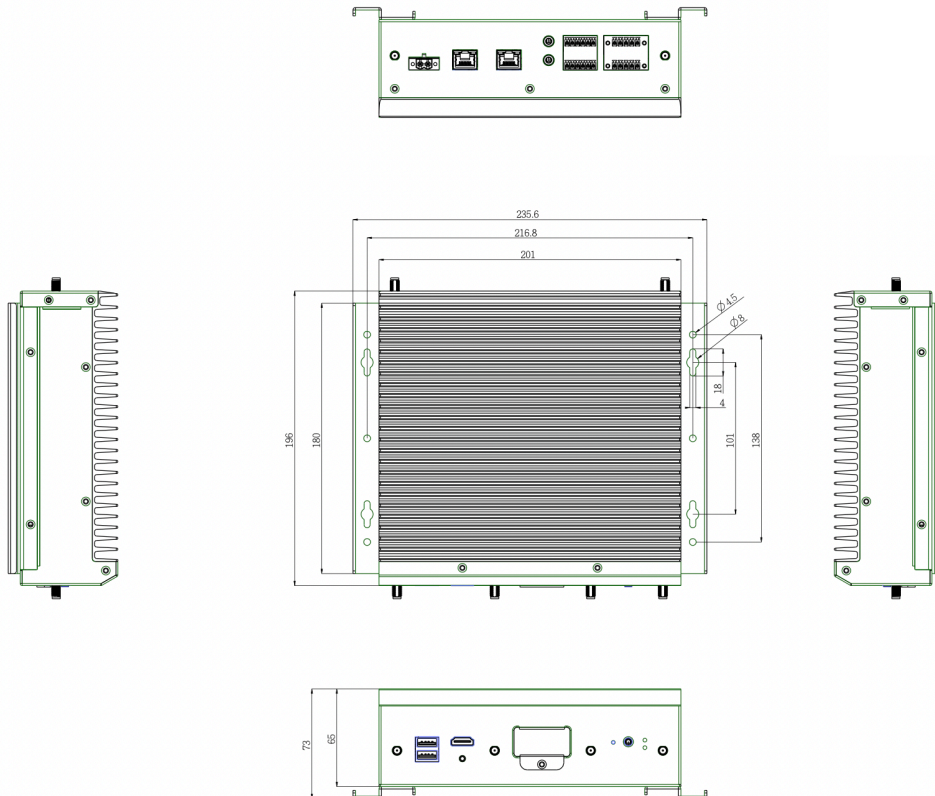
EAI-I130A	IPC With NVIDIA® Jetson Xavier™ NX, 8GB System Memory, 2x GigE PoE LANs, 1x M.2 2280, 2x COM, 1x HDMI, 4x DIDO
EAI-I130B	IPC With NVIDIA® Jetson Xavier™ NX, 16GB System Memory, 2x GigE PoE LANs, 1x M.2 2280, 2x COM, 1x HDMI, 4x DIDO
EAI-I130C	IPC With NVIDIA® Jetson Nano, 4GB System Memory, 1x GigE PoE LAN, 1x M.2 2280, 2x COM, 1x HDMI, 4x DIDO

■ Product I/O View

Reference images. Please contact Lanner for more information.



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



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