EAC-30N3

Compact Fanless Embedded Edge AI Computer with NVIDIA® Jetson Orin™ NX









Features

- Powered by NVIDIA® Jetson Orin™ NX
- Onboard 8/16 GB 128-bit LPDDR5
- Multiple I/O interface connections for data collection
- GbE LAN, USB 3.2, Serial Port, CAN-FD
- Wide operating temperature -20 ~ 60°C

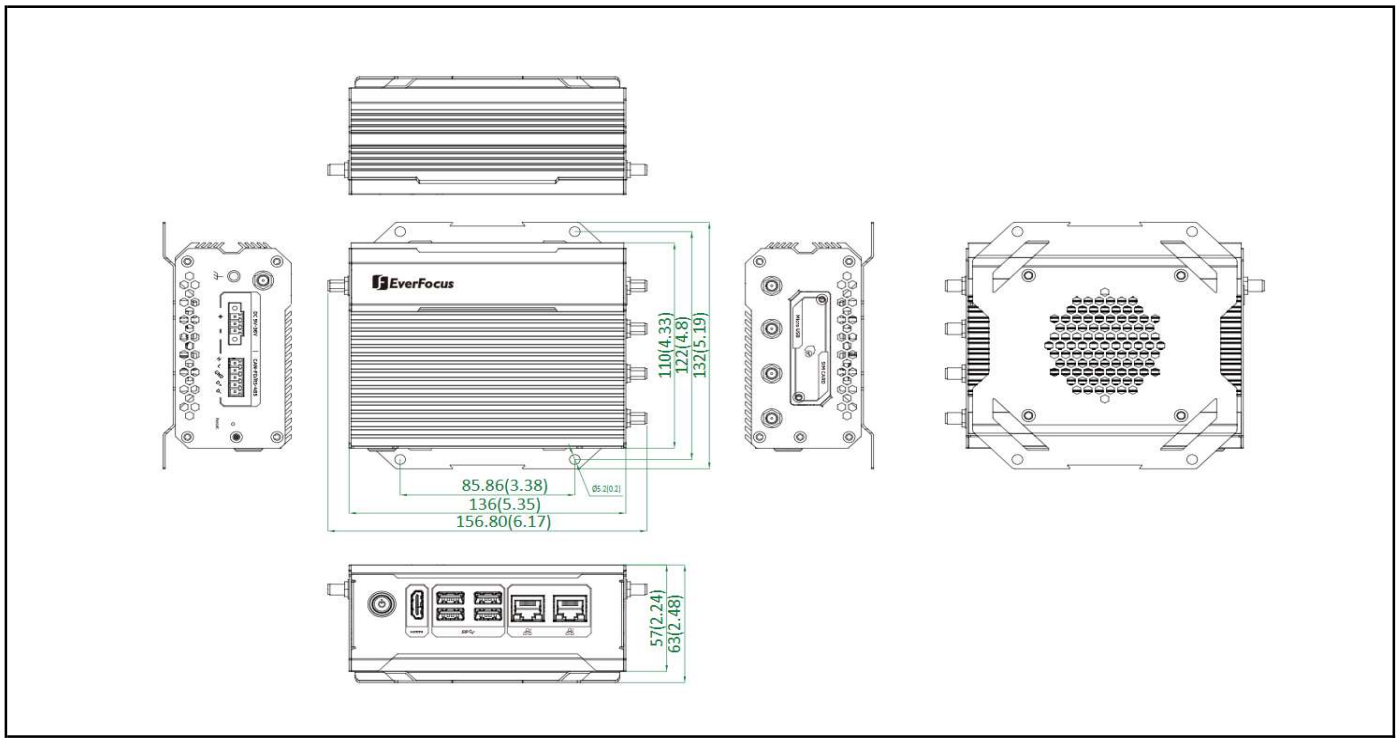
Specifications

System	
CPU/GPU	NVIDIA® Jetson Orin™ NX 6/8-core Arm® Cortex®-A78AE v8.2 64-bit CPU
Memory	Onboard 8/16 GB 128-bit LPDDR5
Storage	1 x M.2 M-Key 2280, support NVMe
Real time clock	Yes
Indicators	1 x LED indicator (Power)
Operating System	Linux (NVIDIA JetPack 5.1.2/6.0)
Power Supply	
Power Requirement	9 ~ 36 VDC
Power Consumption	Max. 25 W (with Fan)
MTBF (Hours)	--
Environmental and Mechanical	
Dimension	136 x 110 x 57 mm (5.35” x 4.33” x 2.24”)
Weight	2.1 kg
Mouting/Installation	Din Rail, Wall Mount
Operating Temperature	-20 ~ 60 °C (-4 ~ 140 °F)
Storage Temperature	-40 ~ 85 °C (-40 ~ 176 °F)
Operating Humidity	10% ~ 95% relative humidity, non-condensing
Certification	
Regulations	CE, FCC, BSMI
Carrier	Planning

Interface	
Serial Port	1 x RS-485 with 5-pin Terminal Block
CAN Bus	1 x CAN-FD with 5-pin Terminal Block
Ethernet	2 x GbE LAN, RJ45
USB	4 x USB 3.2, Type-A
DI/DO	--
AI/AO	--
Display	1 x HDMI 2.0-Out
Power Connector	3-pin Terminal Block
Debug Port	1 x Micro USB for console
Expansion Slot	1 x M.2 E-Key 2230 1 x M.2 B-Key 3052
Other Interface	--
SIM	1 x SIM card slot
microSD	--
Button	Power, Reset
Antenna	5 x Antenna

Dimension

Unit: mm / inch



Ordering Information

Packing List
1 x EAC-30N3 BOX
1 x 3-pin Terminal Block Connector
1 x 5-pin Terminal Block Connector
1 x Wall Mount

Part Number	
2ENOL00DAP0002R	NVIDIA® Jetson Orin™ NX, 8 GB, 9 ~ 36 VDC
2ENOL00DAP0003R	NVIDIA® Jetson Orin™ NX, 16 GB, 9 ~ 36 VDC
2ENVPJOXAIF3500-01	NVIDIA® Jetson Orin™ NX, 8 GB, 128 GB NVMe, 9 ~ 36 VDC
2ENVPJOXAIF4500-01	NVIDIA® Jetson Orin™ NX, 16 GB, 128 GB NVMe, 9 ~ 36 VDC

Optional Accessories

Part Number / Item	
396CEAC3001	Adaptor (In: 100 ~ 240 VDC/Out: 12 VDC 5A 60W 3Pin)
4K02X00000030AR	Power Cord EU
4K02X00000020AR	Power Cord US
4710EM060KG5301	Quectel EM060K-GL 4G LTE, M.2 3042
4710RM520NG5301	Quectel RM520N-GL 5G NR, M.2 3052
4FP-MD00000	EnLi ENL-R8852BE, Wi-Fi 6, BT 5.2, M.2 2230