

EAC-30N1

NVIDIA® Jetson Orin™ Nano AI Box



Features

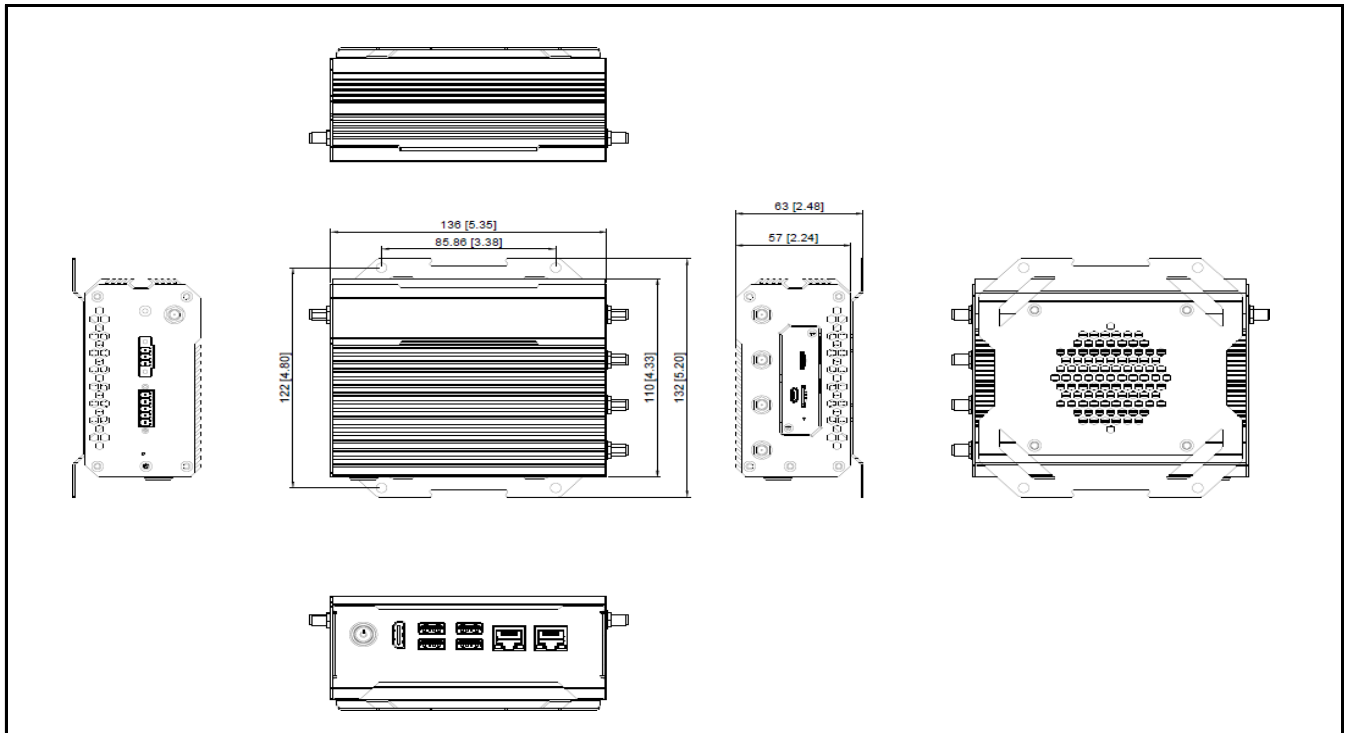
- Powered by NVIDIA® Jetson Orin™ Nano
- Support Jetson Orin Nano Super Mode
- Onboard 4/8GB 64/128-bit LPDDR5
- Multiple I/O interface connections for data collection
- Gigabit LAN, USB 3.1, Serial Port, CAN-FD
- Wide operating temperature range -20°C to 60°C

Specifications

System		Interface	
CPU/GPU	NVIDIA® Jetson Orin™ Nano 6-core Arm® Cortex®-A78AE v8.2 64-bit CPU	Serial Port	1 x RS-485 with 5-pin Terminal Block
Memory	Onboard 4/8GB 64/128-bit LPDDR5	CAN Bus	1 x CAN-FD with 5-pin Terminal Block
Storage	1 x M.2 M-Key 2280, support NVMe	Ethernet	1 x GbE LAN, RJ45 1 x 100M LAN, RJ45
Real time clock	Yes	USB	4 x USB 3.1, Type-A
Indicators	LED indicator x 1 (Power)	DI/DO	--
Operating System	Linux(NVIDIA Jetpack 5.1.2/6.0)	AI/AO	--
Power Supply		Display	1 x HDMI 2.0-Out
Power Requirement	9 to 36 VDC	Power Connector	3-pin Terminal Block
Power Consumption	Max. 25W (with Fan)	Debug Port	1 x Micro USB for console
MTBF (Hours)	--	Expansion Slot	1 x M.2 E-Key 2230 1 x M.2 B-Key 3052
Environmental and Mechanical		Other Interface	--
Dimension	136mm x 110mm x 57mm	SIM	1 x SIM card slot
Weight	2.1 kg	Micro SD	--
Mouting/Installation	Din Rail, Wall Mount	Button	Power, Reset
Operating Temperature	-4 °F ~ 140 °F (-20 °C ~ 60 °C)	Antenna	5 x Antenna
Storage Temperature	-40 °F ~ 176 °F (-40 °C ~ 85 °C)		
Operating Humidity	10% ~ 95% relative humidity, non-condensing		
Certification			
Regulations	CE, FCC, BSMI		
Carrier	Planning		

Dimension

Unit: mm / inch



Ordering Information

Packing List

1 x EAC-30N1 BOX
 3-pin Terminal block Connector x1
 5-pin Terminal block Connector x1
 Wall Mount x1

Part Number

2ENRL00DAP0002R	NVIDIA® Jetson Orin™ Nano, 4GB, 9 to 36VDC
2ENRL00DAP0003R	NVIDIA® Jetson Orin™ Nano, 8GB, 9 to 36VDC
2ENVPJONAIF2500-01	NVIDIA® Jetson Orin™ Nano, 4GB, 128GB NVMe, 9 to 36VDC
2ENVPJONAIF3500-01	NVIDIA® Jetson Orin™ Nano, 8GB, 128GB NVMe, 9 to 36VDC

Optional Accessories

Part Number / Item

396CEAC3001	Adaptor IN:100-240V OUT:DC12V5A 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 WiFi 6 BT 5.2 M.2 2230