



Features

- Powered by NVIDIA® Jetson Orin™ NX
- Onboard 16GB / 8GB 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

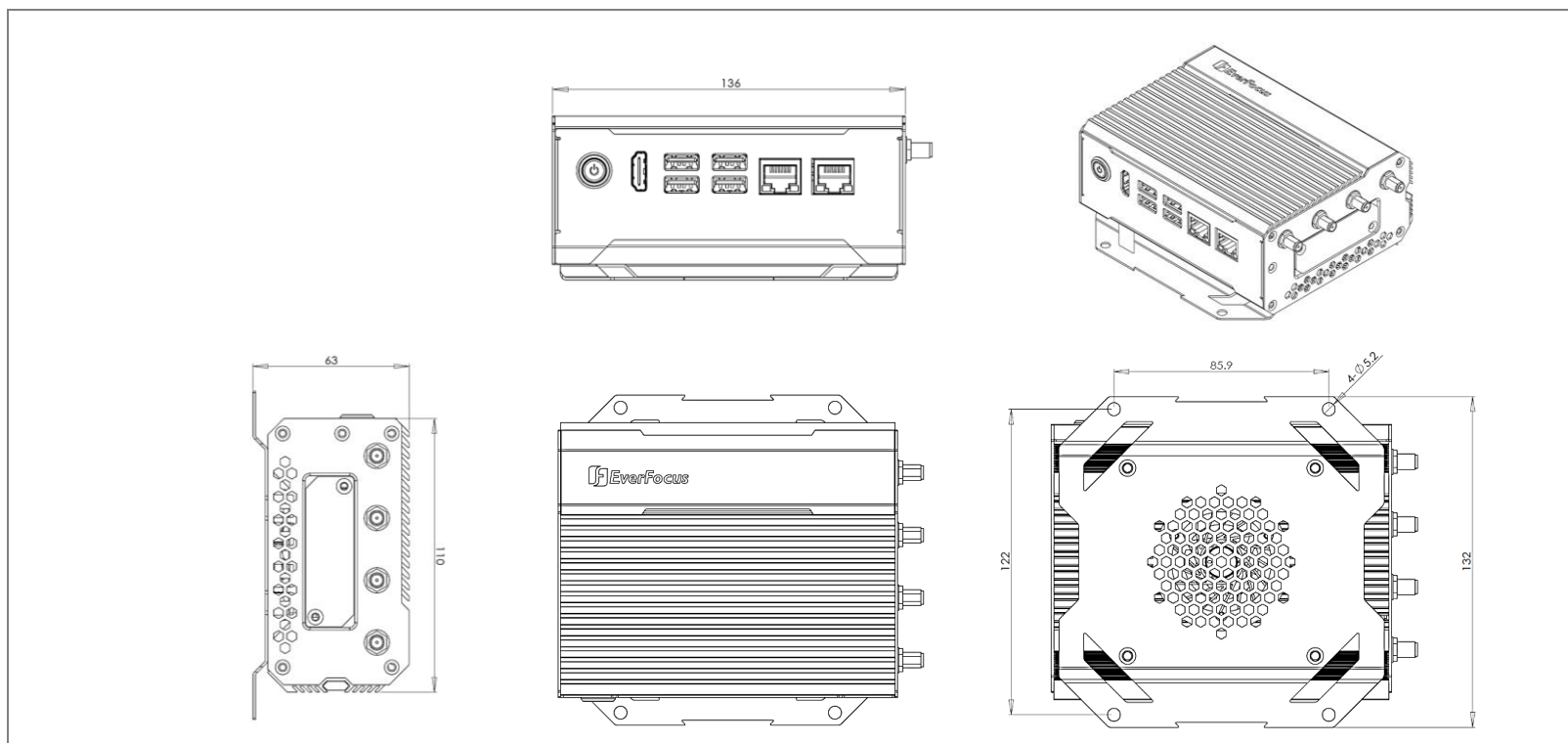
Specifications

System		Interface	
CPU/GPU	NVIDIA® Jetson Orin™ NX 8/6-core Arm® Cortex®-A78AE v8.2 64-bit CPU 1024-core NVIDIA Ampere architecture GPU with 32 Tensor Cores	Serial Port	1 x RS-485
Memory	Onboard 16GB / 8GB 128-bit LPDDR5	CAN Bus	1 x CAN bus
Storage	1 x M.2 M-Key 2280, support NVMe	Ethernet	2 x GbE LAN, RJ45
Real time clock	Yes	USB	4 x USB 3.1, Type-A
Indicators	LED indicator x 1 (Power)	DI/DO	--
Wireless	1 x M.2 E-Key 2230 1 x M.2 B-Key 3052	AI/AO	--
Operating System	Linux (NVIDIA Jetpack 5.1.1 and above)	Display	1 x HDMI 2.0-Out
Power Supply		Power Connector	Terminal Block
Power Requirement	9 to 36 VDC	Debug Port	1 x Micro USB for console
Power Consumption	Max. 25W (with Fan)	Expansion Slot	1 x SIM card slot 1 x Micro SD slot
MTBF (Hours)	--	Other Interface	--
Environmental and Mechanical			
Dimension	136mm x 110mm x 57mm		
Weight	0.9 kg		
Mouting/Installation	Din Rail, Wall Mount, VESA		
Operating Temperature	-4 °F ~ 140 °F (-20 °C ~ 60 °C)		
Storage Temperature	-40 °F ~ 176 °F (-40 °C ~ 85 °C)		
Operating Humidity	10% ~ 95% relative humidity, non-condensing		
Certification			
Regulations	CE, FCC		
Carrier	Planning		

Radio Frequency		
LTE 4G (CAT 1) (Optional)	3GPP Rel.9 compliant protocol Frequency bands: FDD LTE: B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19 /B20 /B25/B26/B28 TDD LTE: B38/B39/B40/B41 WCDMA: B1/B2/B4/B5/B6/B8/B19 GSM: B2/B3/B5/B8	SIM card size: Micro-SIM slot Antenna type: External type Antenna connector: SMA-Male
GPS (Optional)	GPS/GLONASS/BeiDou (Compass)/Galileo	

Dimension

Unit: mm / inch



Ordering Information

Part Number	Packing List
eNVP-JOX-AI-F3000 NVIDIA® Jetson Orin™ NX, 8GB, 9 to 36VDC eNVP-JOX-AI-F4000 NVIDIA® Jetson Orin™ NX, 16GB, 9 to 36VDC eNVP-JOX-AI-F3500 NVIDIA® Jetson Orin™ NX, 8GB, 128GB NVMe, 9 to 36VDC eNVP-JOX-AI-F4500 NVIDIA® Jetson Orin™ NX, 16GB, 128GB NVMe, 9 to 36VDC	eNVP-JOX-AI BOX x1 3-pin Terminal block Connector x1 5-pin Terminal block Connector x1 Wall Mount x1

Optional Accessories

Part Number / Item	
4170A000012	Cable,DC Jack to 2P,L=50
4B01XUD12060AS3	Adapter (In:100-240V / Out: DC12V 5A 60W)
4K02X00000030AR	Power Cord EU
4K02X00000020AR	Power Cord US