



NVIDIA®



Features

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

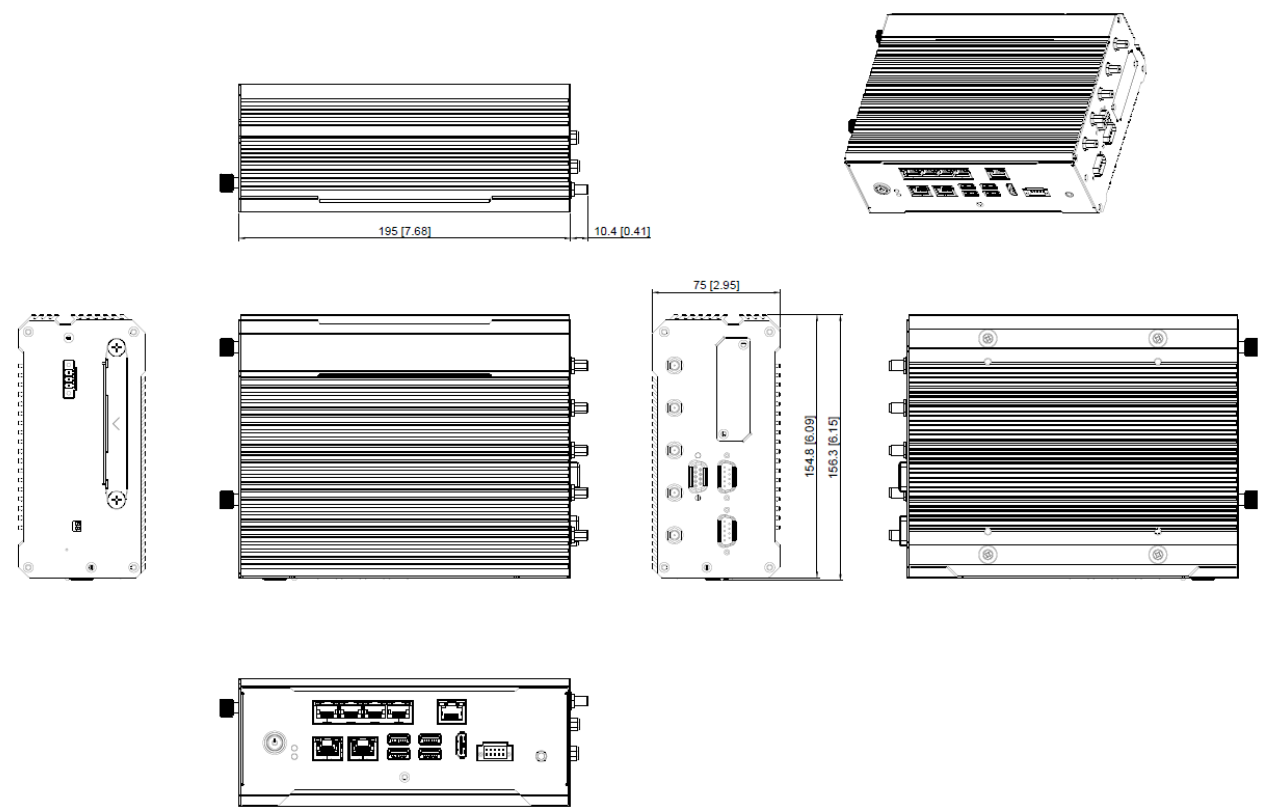
Specifications

System		Interface	
CPU/GPU	NVIDIA® Jetson Orin™ Nano 6-core Arm® Cortex®-A78AE v8.2 64-bit CPU	Serial Port	2 x RS-485 with DB9 connector
Memory	Onboard 4/8GB 64/128-bit LPDDR5	CAN Bus	2 x CAN-FD with 5-pin Terminal Block
Storage	1 x M.2 M-Key 2280, support NVMe	Ethernet	1 x GbE LAN support PD 60W , 1 x GbE LAN support PSE15W, RJ45
Real time clock	Yes		DC Mode: 4 x GbE LAN support PSE Max 60W, RJ45
Indicators	LED indicator x 4 (Power)	USB	4 x USB 3.1, Type-A
Wireless	1 x M.2 E-Key 2230 1 x M.2 B-Key 3052	DI/DO	8 x Alarm I/O
Operating System	Linux (NVIDIA Jetpack 5.1.2 and above)	AI/AO	--
Power Supply		Display	1 x HDMI 2.0-Out
Power Requirement	9 to 48 VDC	Power Connector	3-pin Terminal Block
Power Consumption	Max. 45W (with Fan)	Debug Port	1 x Micro USB for console
MTBF (Hours)	--	Expansion Slot	1 x SIM card slot
Environmental and Mechanical		Other Interface	--
Dimension	195mm x 154.8mm x 75mm		
Weight	2.4kg		
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: nano-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
EAC-50N1-00-203N00 NVIDIA® Jetson Orin™ Nano, 4GB, 9 to 48VDC	EAC-50N1 BOX x1 3-pin Terminal block Connector x1 5-pin Terminal block Connector x1 Wall Mount x1
EAC-50N1-00-204N00 NVIDIA® Jetson Orin™ Nano, 8GB, 9 to 48VDC	
EAC-50N1-00-203N05 NVIDIA® Jetson Orin™ Nano, 4GB, 128GB NVMe, 9 to 48VDC	
EAC-50N1-00-204N05 NVIDIA® Jetson Orin™ Nano, 8GB, 128GB NVMe, 9 to 48VDC	
EAC-50N1-00-204N05 NVIDIA® Jetson Orin™ Nano, 8GB, 128GB NVMe, 9 to 48VDC	

Optional Accessories

Part Number / Item	
4B01XUD12060AS3	Adapter (In:100-240V / Out: DC12V 5A 60W)
4K02X00000030AR	Power Cord EU
4K02X00000020AR	Power Cord US