

EAC-10N3

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



Features

- Powered by NVIDIA® Jetson Orin™ NX
- Multiple I/O interface connections for data collection
- GbE LAN, USB 3.2, Serial Ports, HDMI
- Wide range power input 9 ~ 36 VDC
- Compact, lightweight and conveniently portable AI BOX

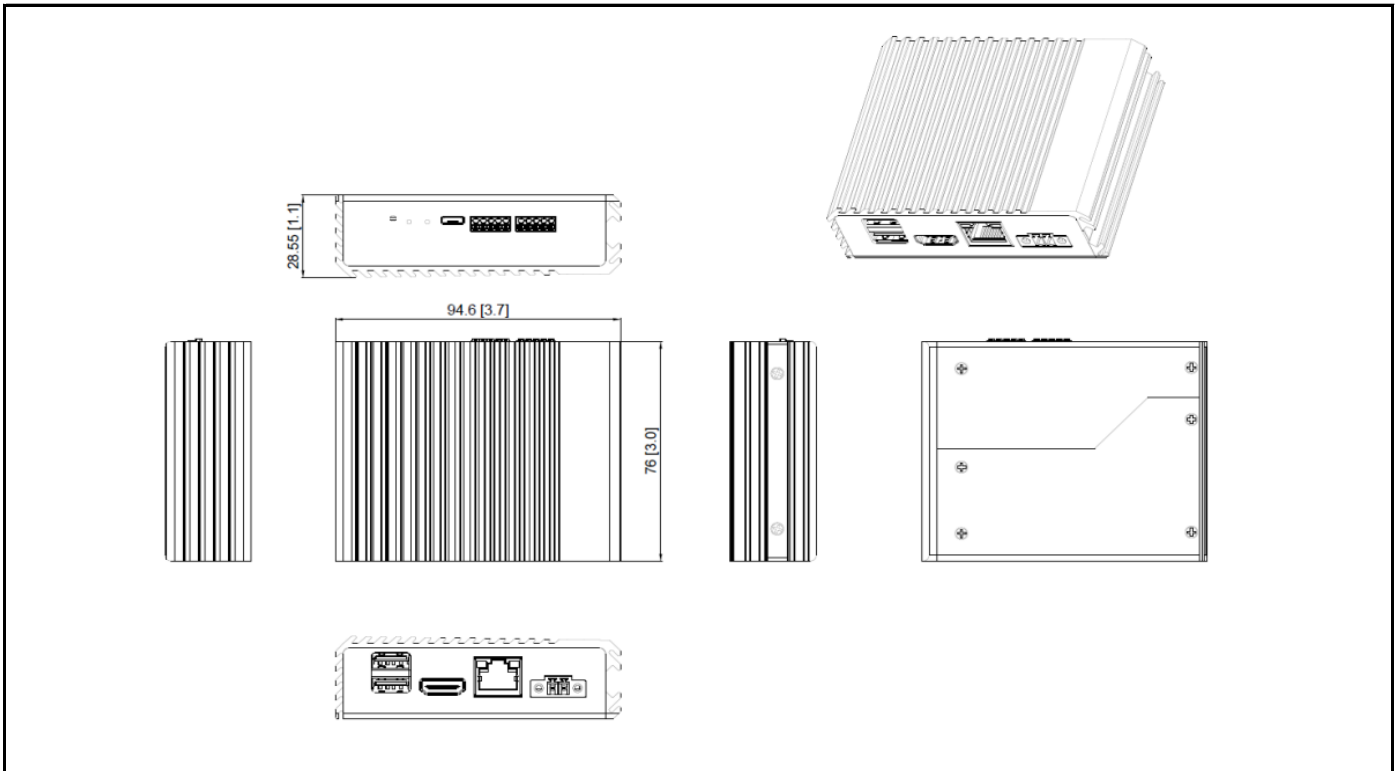
Specifications

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 2242, support NVMe
Real time clock	Yes
Indicators	1 x LED indicator (Power)
Wireless	--
Operating System	Linux (NVIDIA JetPack 5.1.2/6.0)
Power Supply	
Power Requirement	9 ~ 36 VDC
Power Consumption	TBD
MTBF (Hours)	--
Environmental and Mechanical	
Dimension	94.6 x 76 x 28.55 mm (3.72" x 2.99" x 1.12")
Weight	0.3 kg
Mouting/Installation	Din Rail
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
Carrier	Planning

Interface	
Serial Port	2 x RS-232/485 switchable
CAN Bus	--
Ethernet	1 x GbE LAN, RJ45
USB	2 x USB 3.2 Gen1, Type-A
DI/DO	--
AI/AO	--
Display	1 x HDMI 2.0-Out
Power Connector	2-pin Terminal Block
Debug Port	1 x Micro USB for console
Expansion Slot	1 x MIPI CSI-2 with FPC connector
Other Interface	--
SIM	--
microSD	--
Button	--
Antenna	--

Dimension

Unit: mm / inch



Ordering Information

Packing List

- 1 x EAC-10N3 BOX
- 1 x 2-pin Terminal Block Connector

Part Number

2EAC-10N3-0405-01	NVIDIA® Jetson Orin™ NX, 8 GB, 128 GB NVMe, 9 ~ 36 VDC
2EAC-10N3-0505-01	NVIDIA® Jetson Orin™ NX, 16 GB, 128 GB NVMe, 9 ~ 36 VDC

Optional Accessories

Part Number / Item

4B01XUD12060AS3	Adaptor (In: 100 ~ 240 VDC/Out: 12 VDC 5A 60W)
4K02X00000030AR	Power Cord EU
4K02X00000020AR	Power Cord US