EAC-10N1

NVIDIA® Jetson Orin™ Nano AI Box
Preliminary

Features

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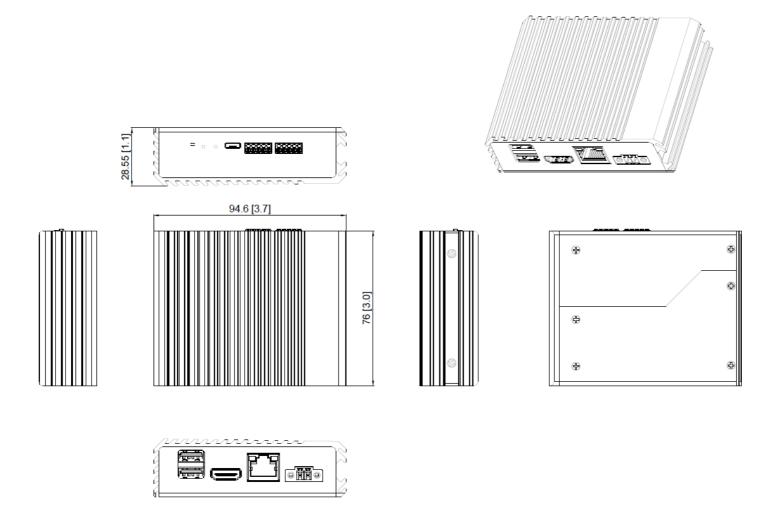- Compact, lightweight and conveniently portable AI BOX

Specifications

System	
CPU/GPU	NVIDIA® Jetson Orin™ Nano 6-core Arm® Cortex®-A78AE v8.2 64-bit CPU
Memory	Onboard 4/8GB 64/128-bit LPDDR5
Storage	1 x M.2 M-Key 2242, support NVMe
Real time clock	Yes
Indicators	LED indicator x 1 (Power)
Wireless	--
Operating System	Linux (NVIDIA Jetpack 5.1.2 and above)

Power Supply	
Power Requirement	9 to 36 VDC
Power Consumption	TBD
MTBF (Hours)	--

Environmental and Mechanical	
Dimension	94.6mm x 76mm x 28.55mm
Weight	0.3 kg
Mouting/Installation	Din Rail, Wall Mount, VESA
Operating Temperature	TBD
Storage Temperature	-40 °F ~ 176 °F (-40 °C ~ 85 °C)
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	--

Note: All specifications are subject to change without notice.

Dimension

Unit: mm / inch

Ordering Information

Part Number	Packing List

2EAC-10N1-0305-01
    NVIDIA® Jetson Orin™ Nano, 4GB, 128GB NVMe, 9 to 36VDC
2EAC-10N1-0405-01
    NVIDIA® Jetson Orin™ Nano, 8GB, 128GB NVMe, 9 to 36VDC
	EAC-10N1 BOX x1
	2-pin Terminal block Connector x1

Optional Accessories

Part Number / Item	
396CEAC1001	Adaptor IN:100-240V OUT:DC12V5A 60W 2Pin
4K02X00000030AR	Power Cord EU
4K02X00000020AR	Power Cord US

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