

# EAV-30N

In-Vehicle Edge AI System with  
NVIDIA® Jetson Orin Nano™



## Features

- Powered by NVIDIA Jetson Orin Nano
- Onboard 4/8 GB 64/128-bit LPDDR5
- With G-sensor, TPM
- Multiple I/O interface connections for data collection
- Wide operating temperature range -20 ~ 60°C

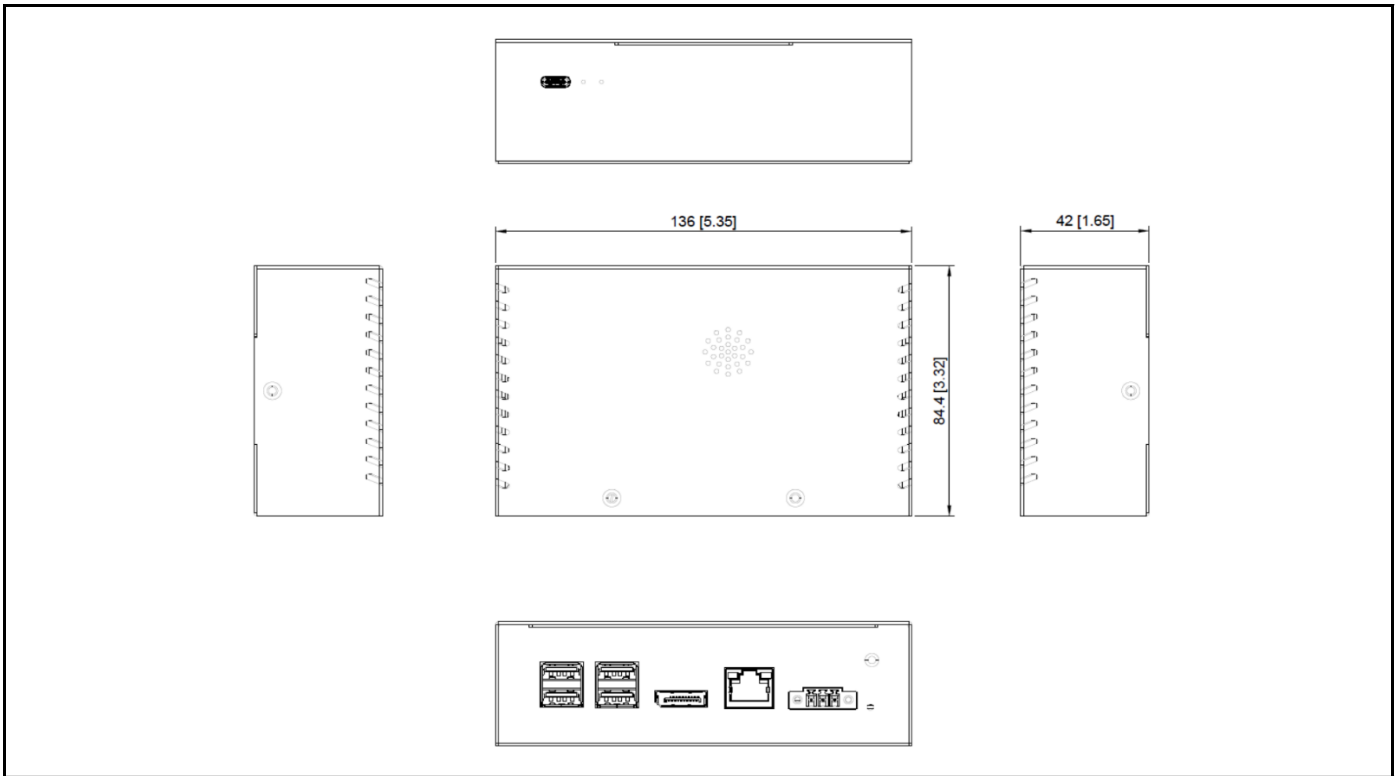
## Specifications

System	
CPU/GPU	NVIDIA® Jetson Orin Nano™ 6-core Arm® Cortex®-A78AE v8.2 64-bit CPU
Memory	Onboard 4/8 GB 64/128-bit LPDDR5
Storage	1 x M.2 M-Key 2280, support NVMe
Real time clock	Yes
Indicators	1 x LED indicator (Power)
Operating System	Linux (NVIDIA JetPack 6.0)
Power Supply	
Power Requirement	9 ~ 36 VDC
Power Consumption	Max. 25 W (with Fan)
MTBF (Hours)	--
Environmental and Mechanical	
Dimension	136 x 84.4 x 42 mm (5.35" x 3.32" x 1.65")
Weight	0.425 kg
Mouting/Installation	--
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 UART
CAN Bus	--
Ethernet	1 x GbE LAN, RJ45
USB	4 x USB 3.1, Type-A
DI/DO	--
AI/AO	--
Display	1 x DP
Power Connector	3-pin Terminal Block
Debug Port	1 x Type-C for console
Expansion Slot	--
Other Interface	--

## Dimension

Unit: mm / inch



## Ordering Information

### Packing List

- 1 x EAV-30N1
- 1 x 3-pin Terminal Block Connector

### Part Number

EAV-30N1-00-203N05	EAV-30N1, NVIDIA® Jetson Orin Nano™ 4G, 128 GB
EAV-30N1-00-204N05	NVIDIA® Jetson Orin Nano™ 8G, 128 GB

## Optional Accessories

### Part Number / Item

4B01XUD12060AS2	Adaptor (In: 100 ~ 240 V/Out: 12 VDC 5A 60W)
4K02X00000030AR	Power Cord EU
4K02X00000020AR	Power Cord US
4FP-MD00000	EnLi ENL-R8852BE, Wi-Fi 6, BT 5.2, M.2 2230