

# EAV-40N

Fanless In-Vehicle Computer with  
NVIDIA® Jetson Orin™ NX



## Features

- Powered by NVIDIA® Jetson Orin™ NX
- Onboard 8/16 GB 64-bit LPDDR4
- Multiple I/O interface connections for data collection
- 8 x GbE LAN support PSE, RJ45
- 9 ~ 36 VDC with ACC function
- Wide operating temperature range -20 ~ 60°C

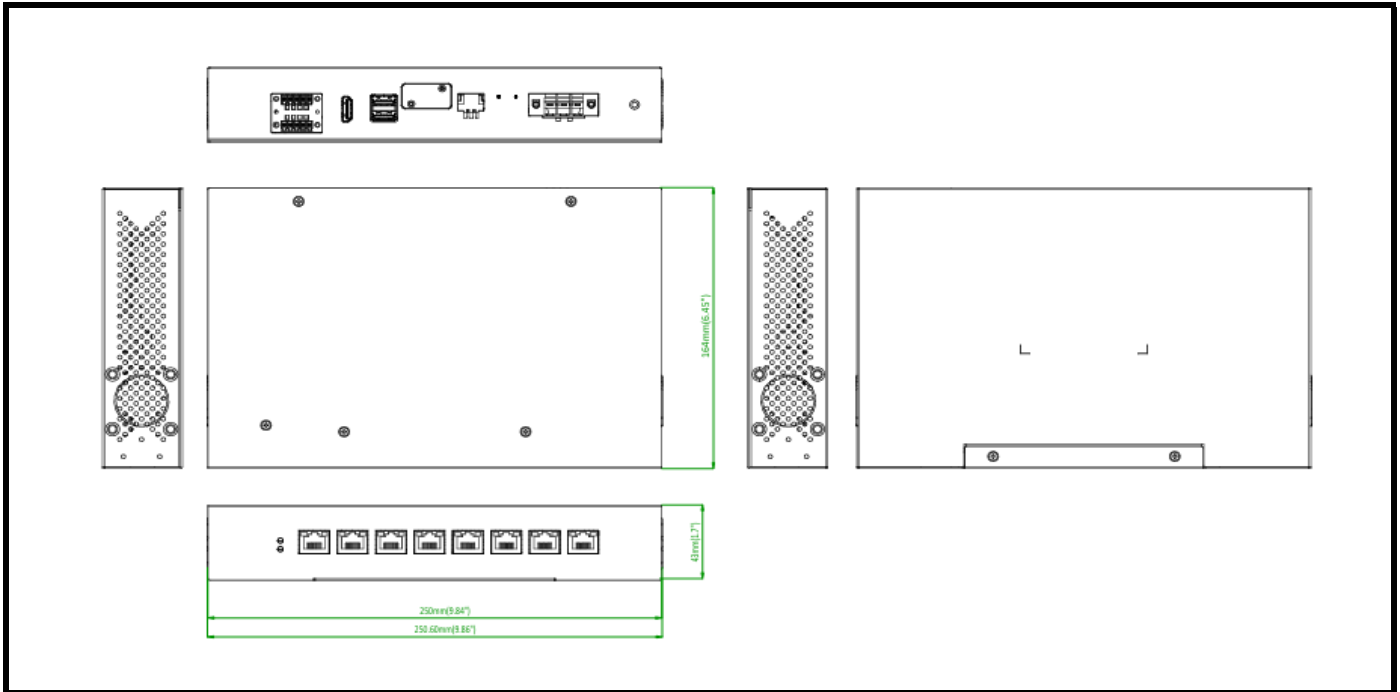
## Specifications

System	
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
Memory	Onboard 8/16 GB 128-bit LPDDR5
Storage	1 x M.2 M-Key 2280, support NVMe
Real time clock	Yes
Indicators	2 x LED indicator (Power)
Operating System	Linux (NVIDIA JetPack 5.1 and above)
Power Supply	
Power Requirement	9 ~ 36 VDC , with ACC function
Ignition Feature	Supported
Power Consumption	Max. 25 W (with Fan) + 240 W (PSE)
MTBF (Hours)	--
Environmental and Mechanical	
Dimension	250 x 164 x 43mm (9.84" x 6.45" x 1.7")
Weight	TBD
Mouting/Installation	Planning
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

Interface	
Serial Port	2 x RS-485, Terminal Block
CAN Bus	1 x CAN Bus
Ethernet	8 x GbE LAN support PSE, RJ45
USB	2 x USB 3.2 Gen1, Type-A
DI/DO	--
AI/AO	--
Display	1 x HDMI 2.1
Power Connector	3-pin Terminal Block
Debug Port	1 x Micro USB for console
Expansion Slot	1 x SIM card slot
	1 x M.2 M-Key 2280
	1 x M.2 E-Key 2230
	1 x M.2 B-Key 3042/3052
Other Interface	--

# Dimension

Unit: mm / inch



## Ordering Information

### Packing List

1 x EAV-40N AI BOX

### Part Number

<b>EAV-40N3-00-204N05</b>	NVIDIA® Jetson Orin™ NX, 8 GB, 128 GB NVMe
<b>EAV-40N3-00-205N05</b>	NVIDIA® Jetson Orin™ NX, 16 GB, 128 GB NVMe