

EAC-30N1/N2

Compact Fanless Embedded Edge AI Computer with
NVIDIA® Jetson Orin Nano™ Super Mode



Features

- Powered by NVIDIA® Jetson Orin Nano™
- Support Jetson Orin Nano™ Super Mode
- Onboard 4/8 GB 64/128-bit LPDDR5
- Multiple I/O interface connections for data collection
- GbE LAN, USB 3.1, Serial Port, CAN-FD
- Wide operating temperature -20 ~ 60°C

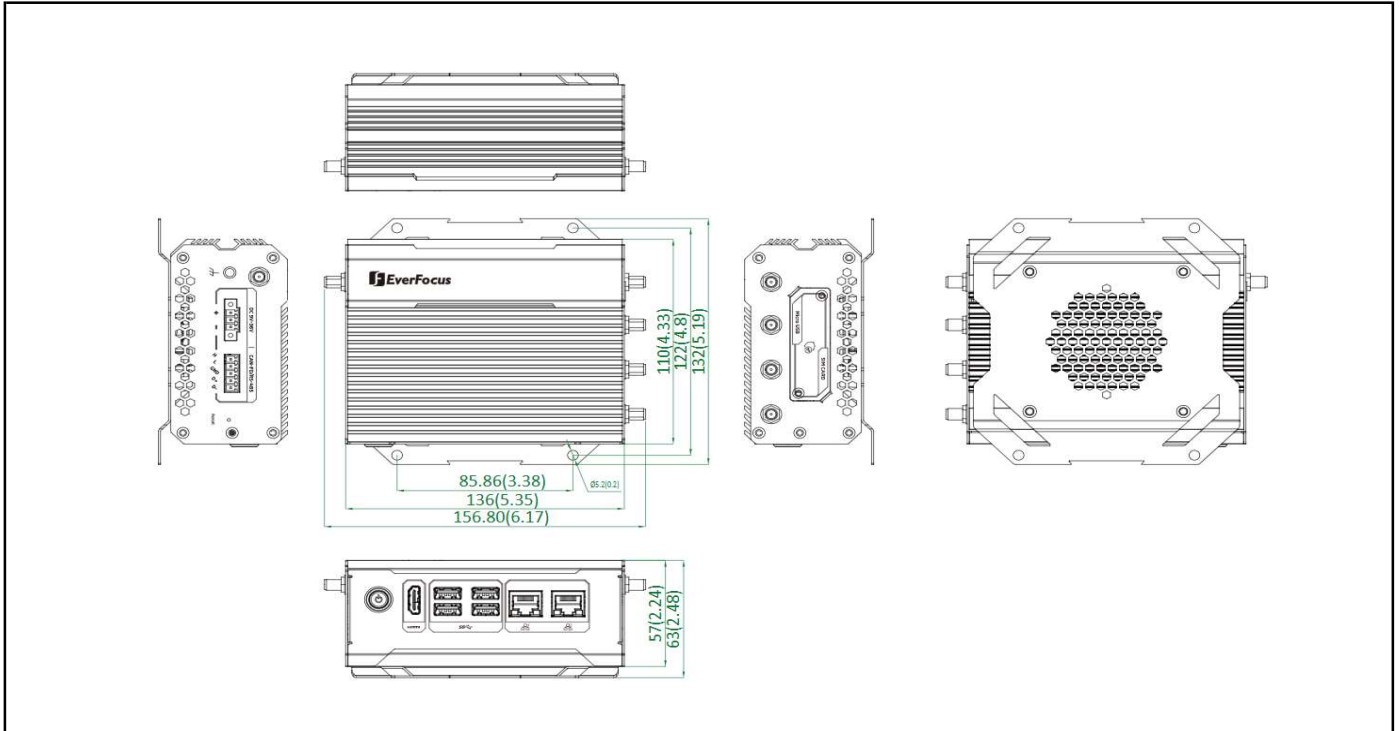
Specifications

| 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 5.1.2/6.0/6.2) |
| Power Supply | |
| Power Requirement | 9 ~ 36 VDC |
| Power Consumption | Max. 25 W (with Fan) |
| MTBF (Hours) | -- |
| Environmental and Mechanical | |
| Dimension | 136 x 110 x 57 mm (5.35" x 4.33" x 2.24") |
| Weight | 2.1 kg |
| Mouting/Installation | Din Rail, Wall Mount |
| 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, BSMI |
| Carrier | Planning |

| Interface | |
|-----------------|--|
| Serial Port | 1 x RS-485 with 5-pin Terminal Block |
| CAN Bus | 1 x CAN-FD with 5-pin Terminal Block |
| Ethernet | 2 x GbE LAN, RJ45 |
| USB | 4 x USB 3.1, Type-A |
| DI/DO | -- |
| AI/AO | -- |
| Display | 1 x HDMI 2.0-Out |
| Power Connector | 3-pin Terminal Block |
| Debug Port | 1 x Micro USB for console |
| Expansion Slot | 1 x M.2 E-Key 2230 1 x M.2 B-Key 3052 |
| Other Interface | -- |
| SIM | 1 x SIM card slot |
| microSD | -- |
| Button | Power, Reset |
| Antenna | 5 x Antenna |

Dimension

Unit: mm / inch



Ordering Information

Packing List

- 1 x EAC-30N1 BOX
- 1 x 3-pin Terminal Block Connector
- 1 x 5-pin Terminal Block Connector
- 1 x Wall Mount

Part Number

| | |
|-------------------|--|
| 2ENRL00DAP0002R | NVIDIA® Jetson Orin Nano™, 4 GB, 9 ~ 36 VDC |
| 2ENRL00DAP0003R | NVIDIA® Jetson Orin Nano™, 8 GB, 9 ~ 36 VDC |
| 2ENVPJONAI2500-01 | NVIDIA® Jetson Orin Nano™, 4 GB, 128 GB NVMe, 9 ~ 36 VDC |
| 2ENVPJONAI3500-01 | NVIDIA® Jetson Orin Nano™, 8 GB, 128 GB NVMe, 9 ~ 36 VDC |

Optional Accessories

Part Number / Item

| | |
|-----------------|---|
| 396CEAC3001 | Adaptor (In: 100 ~ 240 VDC/Out: 12 VDC 5A 60W 3Pin) |
| 4K02X00000030AR | Power Cord EU |
| 4K02X00000020AR | Power Cord US |
| 4710EM060KG5301 | Quectel EM060K-GL 4G LTE, M.2 3042 |
| 4710RM520NG5301 | Quectel RM520N-GL 5G NR, M.2 3052 |
| 4FP-MD00000 | EnLi ENL-R8852BE, Wi-Fi 6, BT 5.2, M.2 2230 |