



Features

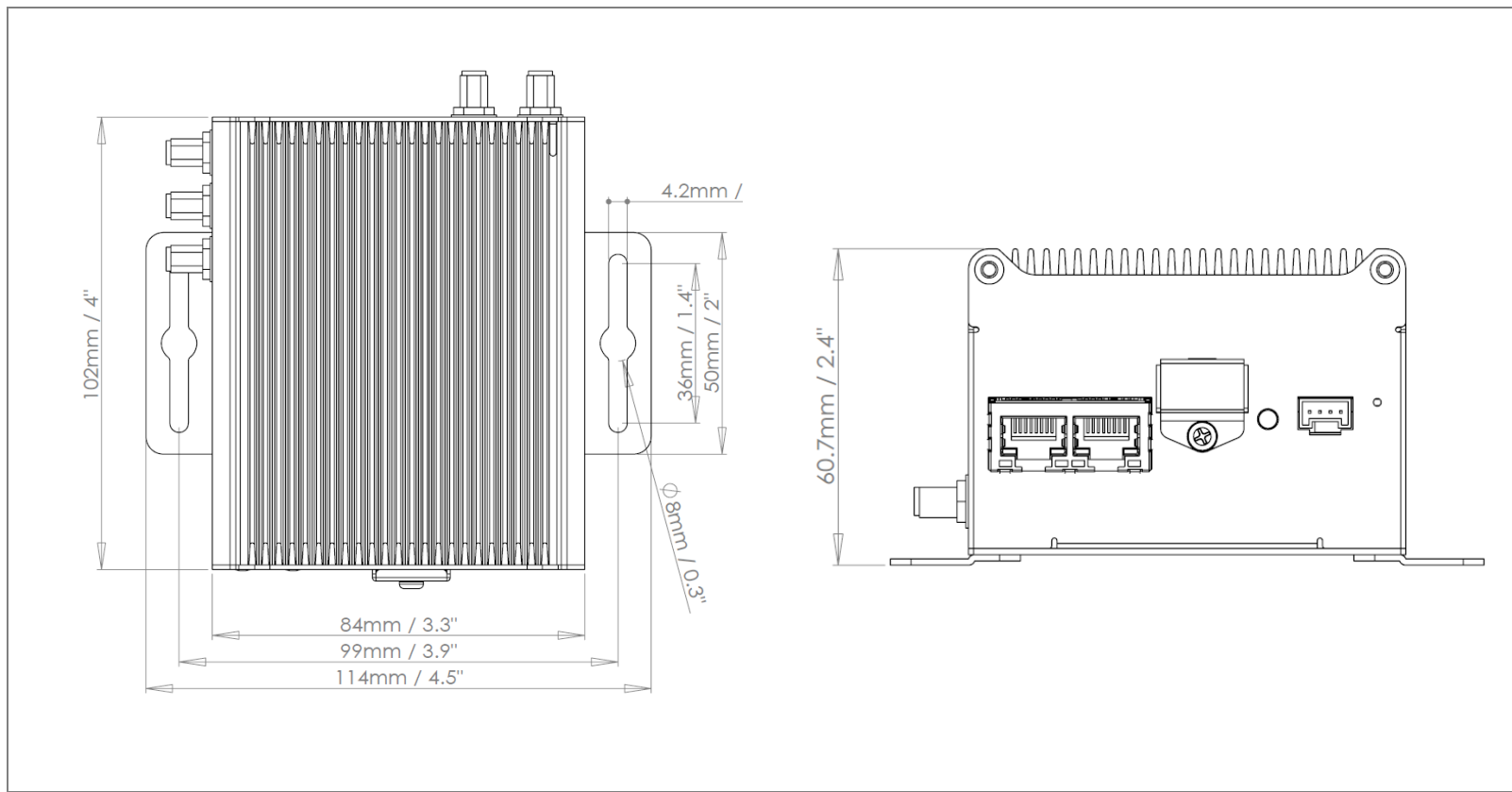
- Powered by NVIDIA® Jetson Orin™ Nano
- Max. LPDDR5 8GB
- Multiple I/O interface connections for data collection
Gigabit LAN, USB 3.1, Serial Port, CAN-FD
- Wide operating temperature range -20°C to 50°C

Specifications

| System | | Interface | |
|-------------------------------------|---|-----------------|--|
| CPU/GPU | NVIDIA® Jetson Orin™ Nano 6-core Arm® Cortex®-A78AE v8.2 64-bit CPU 1024/512-core NVIDIA Ampere architecture GPU with 32/16 Tensor Cores | Serial Port | -- |
| Memory | Onboard 8GB / 4GB 128-bit LPDDR5 | CAN Bus | 1 x CAN bus |
| Storage | 1 x M.2 M-Key 2280, support NVMe | Ethernet | 2 x GbE LAN, RJ45 |
| Real time clock | Yes | USB | 3 x USB 3.1, Type-A 1 x USB 2.0, Type-A |
| Indicators | LED indicator x 3 (Power, SD Card, SSD) | DI/DO | -- |
| Wireless | 1 x M.2 E-Key 3042/3052 | AI/AO | -- |
| Operating System | Linux (NVIDIA Jetpack 5.1 and above) | Display | 1 x HDMI 2.0-Out |
| Power Supply | | Power Connector | Terminal Block |
| Power Requirement | 12 VDC | Debug Port | 1 x Micro USB for console |
| Power Consumption | Max. 15W | Expansion Slot | 1 x SIM card slot 1 x Micro SD slot |
| MTBF (Hours) | -- | Other Interface | -- |
| Environmental and Mechanical | | | |
| Dimension | 4.4" x 4.0" x 2.38" (114 x 102 x 60.7 mm) | | |
| Weight | 0.65 kg | | |
| Mouting/Installation | Din Rail, Wall Mount | | |
| Operating Temperature | -4 °F ~ 122 °F (-20 °C ~ 50 °C) | | |
| Storage Temperature | -40 °F ~ 176 °F (-40 °C ~ 85 °C) | | |
| Operating Humidity | 10% ~ 95% relative humidity, non-condensing | | |
| Certification | | | |
| Regulations | CE, FCC | | |
| Carrier | Planning | | |

Dimension

Unit: mm / inch



Ordering Information

| Part Number | Packing List |
|--|---|
| eNVP-JON-UB-F2000 NVIDIA® Jetson Orin™ Nano, 4GB, 12VDC eNVP-JON-UB-F3000 NVIDIA® Jetson Orin™ Nano, 8GB, 12VDC | eNVP-JON-UB BOX x1 3-pin Terminal block Connector x1 |

Optional Accessories

| Part Number / Item | | | |
|--------------------|---|-----------------|---------------------------------------|
| 3ENTR00DTH0001R | I/O Cable Kit | 3ENTR00DTH0003R | LE910C4-EU M.2 B-KEY 3042 CAT4 4G Kit |
| 4B01XUD12060AS2 | Adapter (In:100-240V / Out: DC12V 5A 60W) | | |
| 4K02X00000030AR | Power Cord EU | | |
| 4K02X00000020AR | Power Cord US | | |