



Features

- Powered by NVIDIA® Jetson Orin™ Nano
- Onboard 8GB / 4GB 128-bit LPDDR5
- Multiple I/O interface connections for data collection
Gigabit LAN, USB 3.1, Serial Port, CAN, Alarm I/O
- Wide operating temperature range -20°C to 50°C



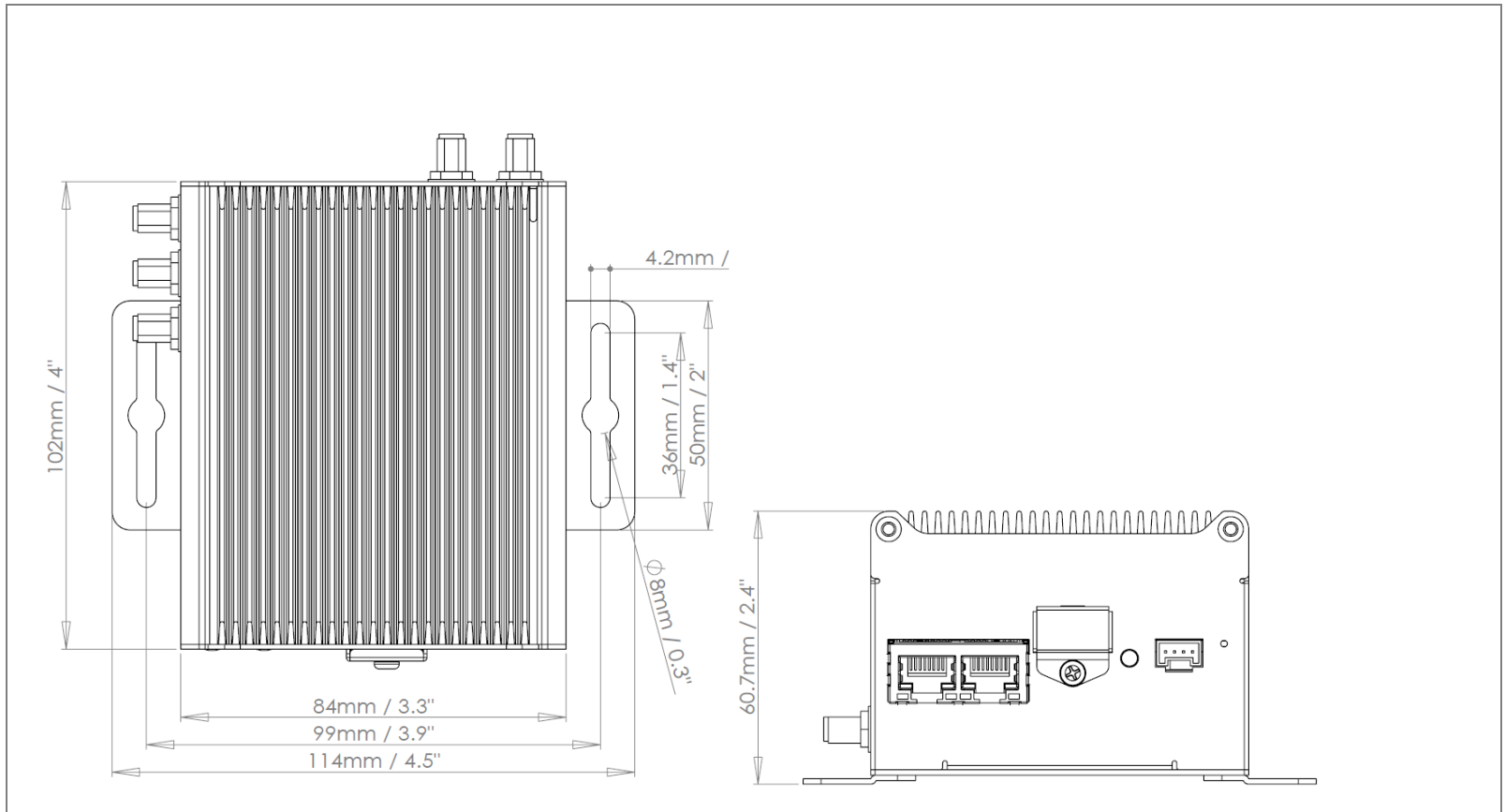
Specifications

| System | |
|------------------------------|---|
| 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 |
| Memory | Onboard 8GB / 4GB 128-bit LPDDR5 |
| Storage | 1 x M.2 M-Key 2280, support NVMe |
| Real time clock | Yes |
| Indicators | LED indicator x 3 (Power, SD Card, SSD) |
| Wireless | 1 x M.2 E-Key 3042/3052 |
| Operating System | Linux (NVIDIA Jetpack 5.1 and above) |
| Power Supply | |
| Power Requirement | 12 VDC |
| Power Consumption | Max. 15W (with Fan) |
| MTBF (Hours) | -- |
| Environmental and Mechanical | |
| Dimension | 114 x 104 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 |

| Interface | |
|-----------------|--|
| Serial Port | 2 x UART, 1 x RS-485 |
| CAN Bus | 1 x CAN bus |
| Ethernet | 2 x GbE LAN, RJ45 |
| USB | 3 x USB 3.1, Type-A 1 x USB 2.0, Type-A |
| DI/DO | 6 x GPIO |
| AI/AO | -- |
| Display | 1 x HDMI 2.0-Out |
| Power Connector | Terminal Block |
| Debug Port | 1 x Micro USB for console |
| Expansion Slot | 1 x SIM card slot 1 x Micro SD slot |
| Other Interface | -- |

Dimension

Unit: mm



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-F2500 NVIDIA® Jetson Orin™Nano, 4GB, 128GB eMMC, 12VDC eNVP-JON-UB-F3500 NVIDIA® Jetson Orin™Nano, 8GB, 128GB eMMC, 12VDC | eNVP-JON-UB BOX x1 3-pin Terminal Block Connector x 1 |

Optional Accessories

| Part Number / Item | | | |
|--------------------|---|-----------------|---|
| 3ENTR00DTH0001R | I/O Cable Kit | 4FP-MD00000 | WIFI MODULE ENL-R8852BE M.2 2230 ENLI |
| 4B01XUD12060AS2 | Adpater (In:100-240V / Out: DC12V 5A 60W) | 47ZZTS128GSAD01 | 128GB, 2.5" SSD, SATA3, 3D TLC BiCS5, DRAM-less, PE: 3K, Wide Temp |
| 4K02X00000030AR | Power Cord EU | 47ZZTS256GMAD02 | 256GB, M.2 2280, PCIe Gen4x4, M-Key, 3D TLC BiCS5, PE: 3K, extended temp. |
| 4K02X00000020AR | Power Cord US | 47ZZTS512GMAD01 | PCIe 2280 M.2 512GB SSD TS512GMTE710T |
| 4170A000015 | Antenna RFA-27-C2M2-U-M70 ARISTOTLE | 47ZZTS1TMTEAD01 | 1TB, M.2 2280, PCIe Gen4x4, M-Key, 3D TLC BiCS5, PE: 3K, extended temp. |
| 4170A000016 | CABLE BTC013-MHF4-70B-150 ARISTOTLE | | |