# AI Inference / DeviceEdge

# Jetson System AN810-XNX-BN70/ AN810-XNX16-BN70





## Features

- Support NVIDIA Jetson Module at Xavier NX
- 12 to 19VDC power input
- Buid-in 1 x GbE LAN
- Support M.2 M-key 2280(PCIe x4), M.2 E Key 2230(USB2.0/PCIe x1), and M.2 B Key 3042/52(USB3.2 Gen2)
- Operating temperature range from -20˚C~70˚C

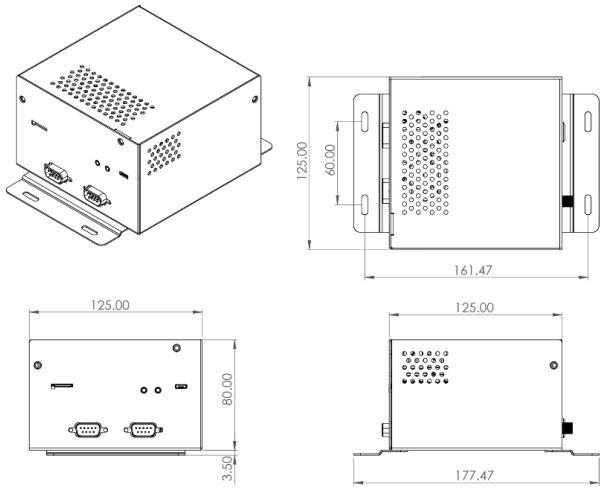
## Specifications

| Model Number | AN810-XNX-BN70 | AN810-XNX16-BN70 |
|---|---|---|
| Module Compatibility | NVIDIA Xavier NX 8GB / 16G | |
| Storage | 16GB eMMC 5.1 Flash | |
| Display | 1 x HDMI Type A | |
| Audio | HDMI Integrated | |
| LAN | 1 x RJ-45 for GbE Port | |
| USB | 2 x USB3.2 Gen1 Type A<br>1 x USB2.0 Micro AB OTG | |
| I/O Interfaces | 5 x GPIO, 3 x $I^2C$, 1 x CAN bus, 1 x SPI, 1 x RS232, 1 x Micro SD, 1 x SIM Card, | |
| Expansion | 1 x M.2 M Key 2280 (PCIe x4)<br>1 x M.2 E Key 2230 (USB2.0/PCIe x1)<br>1 x M.2 B Key 3042/52 (USB3.2 Gen2)<br>1 x MicroSD slot | |
| MISC. Function | 1 x Power Button<br>1 x Recovery Button<br>1 x Reset Button<br>3 x UART ( UART 3 only for debug) | |
| Power Input /Connector | DC-in 12~19V/6-pin ATX power connector | |
| Dimension(Wx Dx H) | 125 x 125 x 80mm | |
| Net Weight | 790g | |
| Mounting | Din Rail (Optional) | |
| Vibration | 1 Grms, IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis | |
| Shock | 10 G, IEC 60068-2-27, half sine, 11 ms duration | |
| Temperature | Operating Temperature: -20˚C ~ +70˚C<br>Storage Temperature: -40˚C ~ +85˚C | |
| Humidity | 5 to 90% @ 40˚C Related Humidity, Non-condensing | |
| OS Support | Ubuntu 18.04 | |
| Certification | CE/FCC Class A | |

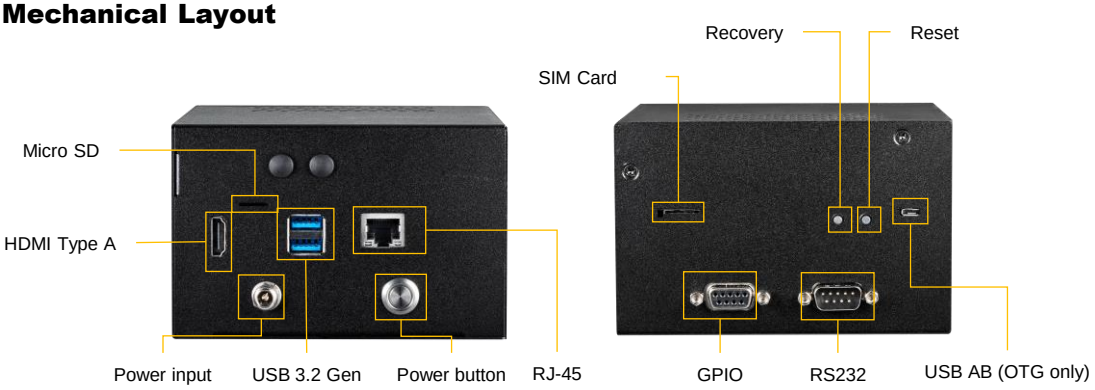


*Product Specifications Are Subject To Change Without Prior Notice

## System & Mounting Dimensions




## I/O Mechanical Layout




## Ordering Information

| Model name | Description |
|---|---|
| AN810-XNX-BN70 | AN810 + NX MODULE + FAN -20~70℃ |
| AN810-XNX16-BN70 | AN810+XNX-16 MODULE+FAN -20~70℃ |

## Packing List

| Part No. | Description | |
|---|---|---|
| 31-030000-0005 | 2.5mm DC JACK CABLE to 2 x 3P 4.2mm Housing 100mm | |
| 32-010000-0005<br>32-010000-0006 | US POWER CORD<br>EU POWER CORD | *Select one according to use of territory |

## Peripheral (Optional)

https://www.aetina.com/wp-content/uploads/Datasheet/Aetina%20Peripherals%20List%20for%20Jetson%20Platforms%26Systems.pdf


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