



## Features

- NVIDIA® Jetson AGX Orin™ series module
- 64GB eMMC, 1x MicroSD slot
- 2x LAN, 10G and 1G
- 2x USB 3.2 Gen1 Type-A, 1x USB 3.2 Gen2 Type-C
- 1x USB 2.0 Type-C (OTG)
- 1x HDMI
- 1x M.2 B-Key 3042/3052 for 4G/5G
- 1x M.2 E-Key 2230 for WiFi/BT/GPS
- 1x M.2 M-Key 2280 for NVMe SSD
- Wide-power input range +9V to +36VDC
- Supports Ubuntu 20.04 OS

## Specifications

|                          |                                                                                                                                                                                           |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| System Mainboard         | NVIDIA® Jetson AGX Orin 32GB/64GB SOM + Carrier Board                                                                                                                                     |
| CPU Type                 | 8-core NVIDIA Arm® Cortex A78AE v8.2 64-bit CPU<br>2MB L2 + 4MB L3 / 12-core NVIDIA Arm® Cortex A78AE v8.2 64-bit CPU 3MB L2 + 6MB L3                                                     |
| System Speed             | 2.2 GHz                                                                                                                                                                                   |
| Memory                   | 32/64 GB 256-bit LPDDR5 204.8 GB/s                                                                                                                                                        |
| Front Panel External I/O | 1x HDMI 2.1<br>2x USB 3.2 Gen1 Type-A<br>1x USB 2.0 Type-C (OTG only)<br>1x USB 3.2 Type-C Gen 2<br>1x DC-in 9V~36V DC / 4-pin DC jack power<br>1x RJ45 GbE for 1G<br>1x RJ45 GbE for 10G |
| Rear Panel External I/O  | 1x Power button<br>1x MicroSD slot<br>1x Micro SIM holder<br>1x Recovery button<br>1x Reset button<br>2x Antenna holes                                                                    |
| Expansion Slots          | 1x M.2 B-Key 3042/3052 (LTE/5G - USB3) w/ Micro SIM holder: cellular function<br>1x M.2 E-Key 2230 (PCI-E/USB2): WiFi/BT/GPS function<br>1x M.2 M-Key (NVMe) 2280:<br>1x MicroSD slot     |
| Storage                  | 64GB eMMC 5.1                                                                                                                                                                             |
| Construction             | SGCC                                                                                                                                                                                      |
| Chassis Color            | Black & Red                                                                                                                                                                               |
| Mounting Type            | DIN rail, wall mount                                                                                                                                                                      |
| Dimensions               | 150mm (W) x 120mm (D) x 70mm (H)                                                                                                                                                          |
| Weight                   | 1.35kg                                                                                                                                                                                    |
| Operating Temperature    | 0°C~50°C (32°F~122°F)                                                                                                                                                                     |
| Storage Temperature      | -20°C~80°C (-4°F~176°F)                                                                                                                                                                   |
| Relative Humidity        | 0%~ 90% (non-condensing)                                                                                                                                                                  |
| Vibration                | Operating: 1 grms / 3~500Hz / random operation                                                                                                                                            |
| Shock                    | Operating: 20 g / 11 ms<br>Non-operating: 40 g / 11 ms                                                                                                                                    |
| Certification            | CE, FCC & LVD                                                                                                                                                                             |

## Ordering Information

|           |                                                                                                                                                                         |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EC3500-64 | NVIDIA Jetson AGX Orin series ,64 GB 256-bit LPDDR5 204.8 GB/s, 64GB eMMC 5.1, HDMI 2.1, 1G LAN 10GbE LAN, USB2.0/3.0,SIM/MicroSD, DC 9V~36V, WiFi/BT/GPS/4G/5G(option) |
| EC3500-32 | NVIDIA Jetson AGX Orin series ,32 GB 256-bit LPDDR5 204.8 GB/s, 64GB eMMC 5.1, HDMI 2.1, 1G LAN 10GbE LAN, USB2.0/3.0,SIM/MicroSD, DC 9V~36V,WiFi/BT/GPS/4G/5G(option)  |

## Dimensions and Drawing

