



Features

- 8-core NVIDIA Arm® Cortex A78AE v8.2 64-bit CPU 2MB L2 + 4MB L3 / 12-core NVIDIA Arm® Cortex A78AE v8.2 64-bit CPU 3MB L2 + 6MB L3
- 1792-core NVIDIA Ampere GPU with 56 Tensor Cores / 2048-core NVIDIA Ampere GPU with 64 Tensor Cores
- 1x M.2 3042/3052 B-key 4G/5G function
- 1x M.2 2230 E-key WiFi/BT/GPS function
- 1x M.2 2280 M-key NVMe storage
- 1x 16-Lane MIPI Expansion Connector
- Wide-power Input Range 9V~36V DC
- Supports Ubuntu 20.04 OS

Specifications

System Mainboard	NVIDIA® Jetson AGX ORIN 64GB or 32GB SOM + carrier board
CPU Type	EC3500-64: 12-core Arm® Cortex®-A78AE v8.2 64-bit CPU 3MB L2 + 6MB L3 EC3500-32: 8-core Arm® Cortex®-A78AE v8.2 64-bit CPU 2MB L2 + 4MB L3
System Speed	2.2 GHz
Memory	EC3500-64: 64GB 256-bit LPDDR5 204.8GB/s EC3500-32: 32GB 256-bit LPDDR5 204.8GB/s
Front Panel External I/O	DC-in +9V to +36V (+-5%) / Lockable power connector 1x 10Gb Ethernet 1x Gigabit Ethernet 1x HDMI Type-A 2x USB Type-C (1x supports OTG) 2x USB 3.2 Type-A 1x power button
Rear Panel External I/O	2x Antenna jacks 1x SIM socket 1x MicroSD slot 1x Recovery button 1x Reset button
Expansion Slots	1x M.2 3042/3052 B-key supports 4G/5G module 1x M.2 2230 E-key supports WiFi/BT module
Storage	1x M.2 2280 M-key NVMe (default 256GB) 64GB eMMC 1x Micro SD
Construction	Aluminum & steel
Chassis Color	Black & Red
Mounting Type	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	10%~90% (non-condensing)
Vibration	Operating: 1 grms / 3~500Hz / random operation

Shock	Operating: 20 g / 11 ms Non-operating: 40 g / 11 ms
Certification	CE/FCC Class B

Ordering Information

EC3500-64	NVIDIA Jetson AGX ORIN 64GB, 1x HDMI, 1x GbE, 1x 10GbE, 4x USB, M.2 B/E/M Key, 9V to 36V DC input, 0°C ~ + 50°C operating temperature, 256GB SSD, with power adaptor, with RTC battery
EC3500-32	NVIDIA Jetson AGX ORIN 32GB, 1x HDMI, 1x GbE, 1x 10GbE, 4x USB, M.2 B/E/M Key, 9V to 36V DC input, 0°C ~ + 50°C operating temperature, 256GB SSD with power adaptor, with RTC battery

Dimensions and Drawing

