



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 B-Key 3042/3052 (LTE/5G - USB3) w/ micro SIM holder: cellular function
- 1x M.2 E-Key 2230 (PCI-E/USB2): WIFI/BT/GPS function
- 1x M.2 M-Key (NVMe) 2280: storage
- 1x 16-Lane MIPI Expansion Connector
- Wide Power Input Range 9V~36V DC
- Supports Ubuntu 20.04 OS

Specifications

System Board	NVIDIA® Jetson AGX ORIN 32GB/64GB SOM + Carrier Board
Processor	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
System Memory	32/64 GB 256-bit LPDDR5 204.8 GB/s
Storage	64GB eMMC 5.1
Construction	SGCC
Color	Black
Display	HDMI 2.1 Type A
Network	1x RJ-45 GbE port 1x RJ-45 10GbE port
Watchdog	256 levels, 0~128 seconds
Front I/O	1x HDMI 2.1 connector 2x USB 3.2 Gen1 Type-A 1x USB 2.0 Type-C (OTG only) 1x USB 3.2 Type-C Gen 2 1x DC-in 9V~36V DC / 4-pin DC Jack Power Connector 1x RJ45 GbE for 1G 1x RJ45 GbE for 10G
Rear I/O	1x Power button 1x microSD slot 1x micro SIM holder 1x Recovery button 1x Reset button 2x Antenna holes
Side I/O	N/A
Expansion slots	1x M.2 B-Key 3042/3052 (LTE/5G - USB3) w/ micro sim holder: cellular function 1x M.2 E-Key 2230 (PCI-E/USB2): WIFI/BT/GPS function 1x M.2 M-Key (NVMe) 2280: 1x microSD slot
Fanless	Yes
Dimensions (WxDxH)	150mm (W) x 125mm (D) x 70mm (H)
Mounting	DIN rail, wall mount

Operating Temperature	-0 ~ 50 °C (32°F ~ 122°F)
Relative Humidity	0%~ 90% (non-condensing)
OS Support	Ubuntu 20.04
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, LAN 10GbE LAN, USB2.0/3.0,SIM/MicroSD,DC 12V~24V,Wif/BT/GPS/4G/5G(option)
EC3500	NVIDIA Jetson AGX ORIN series ,32 GB 256-bit LPDDR5 204.8 GB/s, 64GB eMMC 5.1 HDMI 2.1, LAN 10GbE LAN, USB2.0/3.0,SIM/MicroSD,DC 12V~24V,Wif/BT/GPS/4G/5G(option)

Dimensions

