



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 Mainboard	NVIDIA® Jetson™ AGX ORIN 32GB/64GB SOM + Carrier Board
CPU Type	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 Speed	NA
Memory	32/64 GB 256-bit LPDDR5 204.8 GB/s
Accelerator Card	1792-core NVIDIA Ampere GPU with 56 Tensor Cores / 2048-core NVIDIA Ampere GPU with 64 Tensor Cores
LAN	1x RJ-45 GbE port, 1x RJ-45 10GbE port
Front Panel External I/O	1x HDMI 2.1 Type-A 1x RJ-45 GbE port 1x RJ-45 10GbE port 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 9 to 36 VDC / 4-pin DC Jack Power Connector 1x Power button
Rear Panel External I/O	1x microSD slot 1x micro sim holder 1x Recovery button 1x Reset button 2x Antenna holes
Expansion Slot	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
Storage	64GB eMMC 5.1
Auto Control and Monitoring	N/A
Power Requirement	9V~36V DC-in
Power Supply	150W 12V power adapter
Construction	SGCC
Chassis Color	Black & Red
Mounting	Desktop & wall mount
Weight	TBD
Dimensions	150mm (W) x 125mm (D) x 70mm (H)
Others	NA
Operating Temperature	-0 ~ 50 °C
Storage Temperature	-20°C~80°C (-4°F~176°F)
Relative Humidity	5%~90%@50°C (non-condensing)

Vibration	Operating: 2.0 Grms / 5~500Hz / random operation (with IEC 60068-2-64)
Shock	Operating: 30G/11 ms Duration Non-operating: 40G/11 ms Duration
Certification	CE, FCC & LVD
Operating System	Ubuntu 20.04

Ordering Information

EC3500-32	NVIDIA Jetson™ AGX ORIN 32GB, 1792-core NVIDIA Ampere GPU with 56 Tensor Cores, 8-core NVIDIA Arm® Cortex A78AE v8.2 64-bit CPU 2MB L2 + 4MB L3, 32 GB 256-bit LPDDR5 204.8 GB/s & 64GB eMMC 5.1
EC3500-64	NVIDIA Jetson™ AGX ORIN 64GB, 2048-core NVIDIA Ampere GPU with 64 Tensor Cores, 12-core NVIDIA Arm® Cortex A78AE v8.2 64-bit CPU 3MB L2 + 6MB L3, 64GB 256-bit LPDDR5 204.8 GB/s & 64GB eMMC 5.1

Dimensions and Drawing

