

Orin NX-01

Nvidia Jetson ORIN NX, 32*Tensor Core Nvidia Ampere GUP



Features

- IP65 Water Resistance
- AI Performance: 70 TOPS
- CPU: 6 Cores ARM Cortex-A78AE v8.2 64bits
- GPU: 32 x Tensor Core Nvidia Ampere
- Memory: 8GB 128bits LPDDR5 68GB/s
- DL Accelerator: 1xNVDLA V2
- PV Accelerator: 1xPVA V2
- I/O: 1xHDMI v2.0, 2xUSB3.0, 4xGigaLAN(M12 Connectors), 3xRS232, 1xRS485

Specification

Standard Color	Sand Yellow
Construction	Aluminum Extrusion and Heavy-Duty Steel
CPU	6 Cores ARM Cortex-A78AE v8.2 64bits
System Memory	8GB 128bits LPDDR5 68GB/s
Chipset	ORIN NX
OS Support	Linux
System I/O Outlet	1xHDMI 2.0, 2xUSB3.0 4xGigaLAN(M12 8pin connectors) 3xRS232, 1xRS485
Storage	M.2 Key-M
Watchdog Timer	N/A
Expansion Interface	N/A
Communication (Option)	Wireless: WiFi, BLE, 4G LTE, 5G (Optional)
Power	
Operating Temperature	0~50C
Storage Temperature	-20~60C
Humidity	10% ~ 90% (no condensation)
Dimensions	Please refer to Drawing
Weight	TBD

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