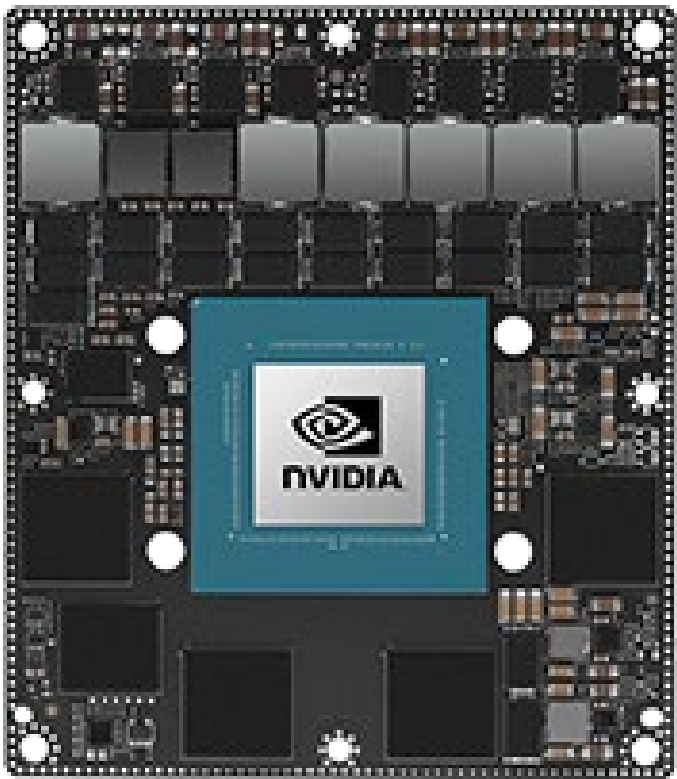


Specifications



Jetson AGX Orin (64GB)	
Module	NVIDIA Jetson AGX Orin (64GB) module
CPU	12-core 64-bit ARM Cortex-A78AE v8.2 processor, up to 2.2GHz
AI capability	275 TOPS
GPU	2048 core NVIDIA Ampere architecture GPU with 64 Tensor Cores
DL accelerator	2 × NVDLA v2
Visual accelerator	1 × PVA v2
Video encoding	H.265: 2×4K60, 4×4K30, 8×1080p60, 16×1080p30
Video decoding	H.265: 1×8K30, 3×4K60, 7×4K30, 11×1080p60, 22×1080p30
Memory	64GB 256-bit LPDDR5, 204.8GB/s
Storage	64GB eMMC 5.1
Connector	699-pin Molex Mirror Mezz connector
Size	100.0mm(L) × 87.0mm(W)
Environment	Operating Temperature: -20°C ~ 60°C, Storage Temperature: -20°C ~ 70°C, Storage Humidity: 10% ~ 90%RH (non-condensing)
Ethernet	1 × 10GbE, 1 × GbE
Camera	Up to 6 cameras (16 supported via virtual channel) 16-channel MIPI CSI-2 D-PHY 2.1 (up to 40 Gbps) C-PHY 2.0 (up to 164 Gbps)
Display	1 × 8K60 multimode DP 1.4a (+MST)/eDP 1.4a/HDMI 2.1
USB	3 × USB3.2 Gen2 (10Gbps), 4 × USB2.0
PCIe	Up to 2×8 + 1×4 + 2×1 (PCIe 4.0, root port and endpoint)
Other interfaces	4 × UART, 3 × SPI, 4 × I2S, 8 × I2C, 2 × CAN, PWM, DMIC, DSPK, GPIO