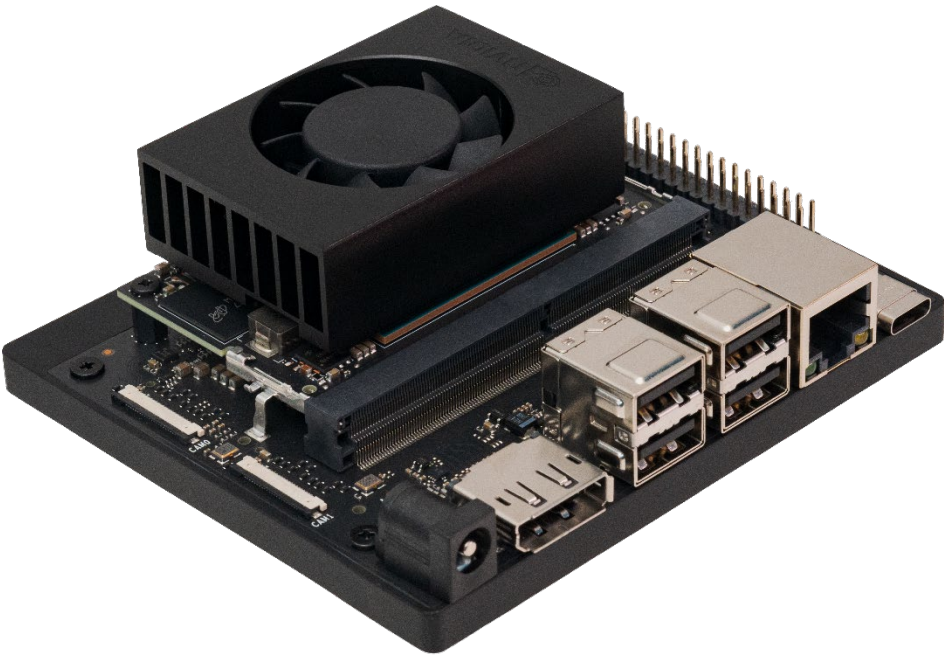


Specifications



Jetson Orin NX Developer Kit	
Module	NVIDIA Jetson OrinNX (16GB) module
CPU	Octa-core 64-bit ARM Cortex-A78AE v8.2 processor, up to 2.0GHz
AI capability	100 TOPS
GPU	1024 core NVIDIA Ampere architecture GPU with 32 Tensor Cores
DL accelerator	2 × NVDLA v2
Visual accelerator	1 × PVA v2
Video encoding	H.265: 1×4K60, 3×4K30, 6×1080p60, 12×1080p30
Video decoding	H.265: 1×8K30, 2×4K60, 4×4K30, 9×1080p60, 18×1080p30
Memory	16GB 128-bit LPDDR5, 102.4GB/s
Storage	1 × SD Card, external NVMe can be connected via M.2 M-KEY
Power	DC 5V/4A (2.1 × 5.5 × 9.5mm)
Size	103.0mm(L) × 90.5mm(W) × 34.77mm(H)
Environment	Operating Temperature: -20℃ ~ 60℃, Storage Temperature: -20℃ ~ 70℃, Storage Humidity: 10% ~ 90%RH (non-condensing)
Ethernet	1 × RJ45 (1000Mbps)
Camera	2 × MIPI CSI-2 (22Pin)
Display	1 × DP1.2 (+MST)
USB	4 × USB3.2 Gen2, 1 × Type-C (Applicable to UFP)
PCIe	1 × M.2 M-KEY (Support x4 PCIe Gen3), 1 × M.2 M-KEY (Support x2 PCIe Gen3), 1 × M.2 E-KEY
Other interfaces	1 × 40-pin expansion connector (UART, SPI, I2S, I2C, GPIO), 1 × 12-pin push-button interface, 1 × 4-pin fan connector