



•• PRODUCT SPECIFICATIONS ••

NVIDIA Jetson AGX Orin	
AI Performance	275TOPS
GPU	2048-core NVIDIA Ampere architecture GPU with 64 Tensor Cores
CPU	12-core Arm® Cortex®-A78AE v8.2 64-bit CPU 3MB L2 + 6MB L3
Memory	64GB 256-bit LPDDR5 204.8GB/s
Storage	64GB eMMC 5.1
DL Accelerator	2x NVDLA v2
DLA Max Frequency	1.6 GHz
Vision Accelerator	1x PVA v2
Video Encode	2x 4K60 (H.265) 4x 4K30 (H.265) 8x 1080p60 (H.265) 16x 1080p30 (H.265)
Video Decode	1x 8K30 (H.265) 3x 4K60 (H.265) 7x 4K30 (H.265) 11x 1080p60 (H.265) 22x 1080p30 (H.265)
CSI Camera	Up to 6 cameras (16 via virtual channels) 16 lanes MIPI CSI-2 D-PHY 2.1 (up to 40Gbps) C-PHY 2.0 (up to 164Gbps)
PCIe	Up to 2 x8 + 1 x4 + 2 x1 (PCIe Gen4, Root Port, & Endpoint)
USB	3x USB 3.2 Gen2 (10 Gbps) 4x USB 2.0
Networking	1x GbE 1x 10GbE
Display	1x 8K60 multi-mode DP 1.4a (+MST)/eDP 1.4a/HDMI 2.1
Other I/O	4x UART, 3x SPI, 4x I2S, 8x I2C, 2x CAN, PWM, DMIC & DSPK, GPIOs
Power	15W - 60W
Mechanical	100mm x 87mm 699-pin Molex Mirror Mezz Connector Integrated Thermal Transfer Plate