

Low-Cost Network Node, Powered by the NVIDIA® Jetson™ Platform, for Large-Scale AI Deployments



Essential EdgeAI systems are optimized for generative AI and AI-enabled video analytics at scale. Choose between pre-integrated NVIDIA® Jetson Orin™ Nano, Jetson Orin™ NX, or Jetson AGX Orin™ options.



PART NUMBERS

Part Number	Jetson Module	NVMe
CORE01-02	NVIDIA® Jetson AGX Orin™ 32GB, Active	0.5TB
CORE01-06	NVIDIA® Jetson AGX Orin™ 64GB, Active	0.5TB
CORE02-02	NVIDIA® Jetson AGX Orin™ 32GB, Passive	0.5TB
CORE02-06	NVIDIA® Jetson AGX Orin™ 64GB, Passive	0.5TB
CORE03-02	NVIDIA® Jetson Orin™ NX 8GB, Active	0.5TB
CORE03-05	NVIDIA® Jetson Orin™ NX 16GB, Active	0.5TB
CORE03-08	NVIDIA® Jetson Orin™ Nano 4GB, Active	0.5TB
CORE03-11	NVIDIA® Jetson Orin™ Nano 8GB, Active	0.5TB
CORE04-02	NVIDIA® Jetson Orin™ NX 8GB, Passive	0.5TB
CORE04-05	NVIDIA® Jetson Orin™ NX 16GB, Passive	0.5TB
CORE04-08	NVIDIA® Jetson Orin™ Nano 4GB, Passive	0.5TB
CORE04-11	NVIDIA® Jetson Orin™ Nano 8GB, Passive	0.5TB

Not the perfect fit? Engage with Jetson experts to guarantee successful large scale deployment.

COMMON SPECIFICATIONS

Compatibility	Pre-integrated with: - NVIDIA® Jetson Orin™ Nano (Supporting Super Mode) - NVIDIA® Jetson Orin™ NX (Supporting Super Mode) - NVIDIA® Jetson AGX Orin™	Networking	1x 1000BASE-T (GbE / RJ-45)
USB	1x USB 3.2 USB Type-C w/ OTG	Storage	1x NVMe M.2 M-Key 2280 Slot
Debug	UART, Reset, Force Recovery via Debug Header	Input Power	+12V to +17V DC
Display Output	N/A (Headless / Network Node)	Mechanical Information	Jetson Orin™ Nano/NX Variants: • Active: 118.32mm x 77.81mm x 52.86mm (4.658" x 3.063" x 2.081") • Passive: 118.32mm x 77.81mm x 51.66mm (4.658" x 3.063" x 2.034") Jetson AGX Orin™ Variants: • Active: 121.82mm x 117.81mm x 99.19mm (4.796" x 4.638" x 3.905") • Passive: 121.82mm x 117.81mm x 78.19mm (4.796" x 4.638" x 3.078")
Thermals	Active or Passive Options Available	Operating Temperature	0°C to +50°C (32°F to +122°F)
Warranty and Support	1 Year Warranty and Free Support		