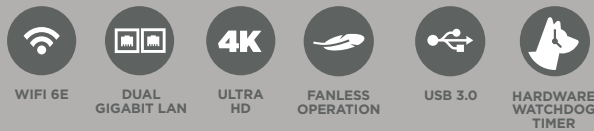


JETSON ORIN NX EMBEDDED AI EDGE SYSTEM
SKU: ZP-JETSONE-OX16-L2-AEU

The Ampere-powered Jetson Orin NX Embedded AI Edge System is a compact unit with powerful AI performance featuring fast storage capabilities and powered connected communications with Power over Ethernet (PoE) capability. Ideal for surveillance system operations, robotic applications, autonomous driving, smart cities, and AI.



WIFI 6E

DUAL GIGABIT LAN

4K HD

FANLESS OPERATION

USB 3.0

HARDWARE WATCHDOG TIMER



TECHNICAL SPECIFICATIONS

FEATURES

- NVIDIA Jetson Orin NX 16GB SoM
- Designed for 24/7 operation
- Passively cooled, silent computing performance
- 100 TOPS AI performance
- 16GB LPDDR5 Memory
- 256GB M.2 NVMe SSD
- 1 x HDMI 2.0 with locking screw, 8K 30Hz video playback
- Hardware watchdog
- Durable metal enclosure
- Long Supply Life Cycle

SYSTEM ON MODULE (SOM)

- NVIDIA Jetson Orin NX 16GB

GRAPHICS ENGINE

- NVIDIA Ampere 1024 core GPU, 32 Tensor cores

MEMORY

- Onboard 16GB LPDDR5 memory

STORAGE

- 256GB M.2 NVMe SSD (2280)

DISPLAY OUTPUT

- 1 x HDMI 2.0 with locking screw
8K@30Hz video playback in H.265/VP9
4K@60Hz encode in H.265/VP8

VIDEO INPUT

- 2 x Internal CSI-2 connector

NETWORKING

- 1 x Gigabit LAN, 1 x PoE Gigabit LAN
- Wi-Fi 6E IEEE 802.11ax/ac/a/b/g/n

CONNECTIVITY

- 2 x USB 3.0 Type-A
- 1 x RS232 / RS485 serial port
- 1 x CAN bus

EXPANSION

- 40-pin I/O header

POWER

- DC 12V, 60W power adapter

OPERATING TEMPERATURE

- Main unit: -20°C - +65°C
- AC adapter: +0°C - +40°C

PHYSICAL DIMENSIONS

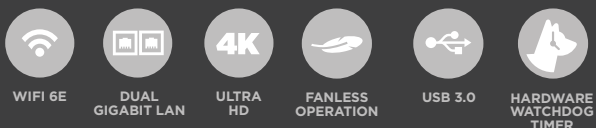
- Length: 147.2mm (5.79in)
- Width: 147.2mm (5.79in)
- Height: 61.1mm (2.41in)

SUPPORTED OS

- Jetson Linux
- Jetpack 5.1.1 SDK

INSIDE THE BOX

- ZBOX PRO Jetson Orin NX Embedded AI Edge System
- Universal AC adapter
- US / EU / AU power cable
- L-mount bracket (1 pair) with 4 x screws
- VESA mount bracket (1 pair) with 6 x screws
- 2 x Tri-band Wi-Fi antenna



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