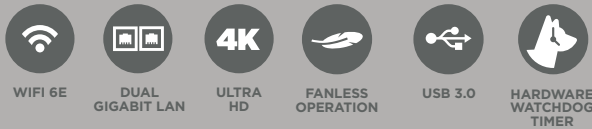


**JETSON ORIN NX EMBEDDED AI EDGE SYSTEM**  
**SKU: ZP-JETSONE-OX8-L2-AEU**

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.



**TECHNICAL SPECIFICATIONS**

**FEATURES**

- NVIDIA Jetson Orin NX 8GB SoM
- Designed for 24/7 operation
- Passively cooled, silent computing performance
- 70 TOPS AI performance
- 8GB 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 8GB

**GRAPHICS ENGINE**

- NVIDIA Ampere 1024 core GPU, 32 Tensor cores

**MEMORY**

- Onboard 8GB 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

