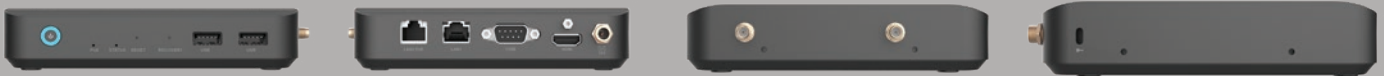# ZBOX PRO

ZOTAC®

JETSON ORIN NANO EMBEDDED AI EDGE SYSTEM
SKU: ZP-JETSONE-ON8-L2-AEU

The Ampere-powered ZBOX PRO Jetson Orin Nano Embedded AI Edge System is a compact and thin unit 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** | **ULTRA HD 4K** | **FANLESS OPERATION** | **USB 3.0** | **HARDWARE WATCHDOG TIMER**

TECHNICAL SPECIFICATIONS

FEATURES
- NVIDIA Jetson Orin Nano 8GB SoM
- Designed for 24/7 operation
- Passively cooled, silent computing performance
- 40 TOPS AI performance
- 8GB LPDDR5 Memory
- 256GB M.2 NVMe SSD
- 1 x HDMI 2.0 with locking screw, 4K 60Hz video playback
- Hardware watchdog
- Durable metal enclosure
- Long Supply Life Cycle

SYSTEM ON MODULE (SOM)
- NVIDIA Jetson Orin Nano 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 4K@60Hz video playback in H.265/VP9 1080p@30Hz software encode

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: 31.1mm (1.22in)

SUPPORTED OS
- Jetson Linux
- Jetpack 5.1.1 SDK

INSIDE THE BOX
- ZBOX PRO Jetson Orin Nano 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

NVIDIA JETSON | **HDMI** HIGH-DEFINITION MULTIMEDIA INTERFACE | **Linux Compatible**

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