

MXE-240 Series

Integrated Fanless Embedded Edge AI Computer Powered by Intel® Processor Core 3 series

Features

- 40 TOPS Hybrid AI: Combines CPU, GPU, and NPU for powerful multi-processor performance.
- 18 TOPS NPU 5.0: Dedicated engine for low-latency, energy- efficient edge inferencing.
- Industrial Reliability: Supports TSN, TCC, and ECC for real-time, mission-critical stability.
- High-Speed Connectivity: Versatile USB Type-C for streamlined peripheral integration.
- Targeted Applications: Optimized for AI analytics, industrial automation, and video processing.

Preliminary



Specifications

Model	MXE-240	
Processor System		
CPU	Intel® Core™ processors (Series 3)	
Memory	1x DDR5 SO-DIMMs 6400MHz, up to 64GB	
Operating Systems	Windows 11 IoT Enterprise LTSC Ubuntu 26.04	
Display		
HDMI	2 (HDMI 2.1,4K60),	
DP	1(Type-C)	
Ethernet		
Gbe Port	2	
Controller/ Frequency	2x Intel® i226IT, support 2.5Gbps/ 1Gbps/ 100Mbps / 10Mbps	
I/O Interfaces		
USB	4x USB 3.2 Gen 2x1 ports (5Gbps) (Type-A) 1x USB4 (40Gbps)(Type-C, DP alt)	
COM	2x RS-232/422/485 DB9 Connector	
Audio	Realtek ALC888S 1x line-in, 1x line-out, MIC-in through 40pin box header	
Expansion Slots	M.2 2280 M Key (PCIex2) M.2 2230 E Key with (Wi-Fi)(PCIex1) M.2 3042 B-key (USB3.0) w/ SIM card	
TPM	Yes (TPM 2.0)	
Mechanical and Environment		
Dimension	180 x 125 x 44 mm	
Power Supply	12V-24V DC	
Operating Temperature	-20°C to 60°C	
Storage Temperature	-40°C to 85°C	
EMC		
	CE & FCC Class B	

CPU Support List

Family	Number	CPU Core	NPU	GPU	TOPS	Processor Base Power
WildCAT	304	5	1	1	23	15W
WildCAT	305	6	0	1	9	15W