

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	4		
Controller/ Frequency	2x Intel® i226IT, support 2.5Gbps/ 1Gbps/ 100Mbps / 10Mbps 2x Intel® i210IT, support 1Gbps/ 100Mbps / 10Mbps (Optional)		
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	32	15W
WildCAT	320	6	1	2	41	15W
WildCAT	350	6	1	2	41	15W