

MXE-320 Series

Compact, High-Performance, Rugged Edge Computers with Intel® Core™ Ultra Processors (Series 1)

Features

- Intel® Core™ Ultra Processor delivers efficient, high-performance computing
- Integrated NPU enhances AI processing capabilities for real-time applications
- Support 3 Type monitor connector : Type-C, DP, HDMI
- Multi LAN Port : 2 to 6 (Optional)
- Variety expansion slots, M.2 B-Key, E-Key, M-Key
- Rich IO : 8bit DIO, 2 COM, CAN BUS (Optional) , and expendable IO (Through AFM)
- Supports EdgeGO Remote Management and Control Software



Embedded OS

PN	Description
92-56094-4010	Windows 10 IoT Ent LTSC 2021 Entry PKEA

Specifications

Model	MXE-320
Processor System	
CPU	MTL-U, 15W /MTL-H, 28W
Memory	
DIMM Type/ Frequency	2x DDR5 SO-DIMMs 5600MHz, non-ECC
Max. Capacity	max 96 GB
Display	
HDMI	1x HDMI2.0
DisplayPort	1x DP1.4
Ethernet	
Gbe Port	2x GbE ports
Storage	
SSD	1x SATA III 6Gb/s for 2.5inch SSD
I/O Ports	
USB	3x USB 2.0 2x USB 3.2 Gen 2x1 1x USB 3.2 (Type-C 5V/3A, DP)
COM	2x RS-232/422/485, 2x RS-232 (DB9)
CAN	1x DB9 CAN port (Optional)
GPIO	8-CH DI and 8-CH DO
Audio	Realtek ALC888S 1x line-in, 1x line-out, MIC-in, 1x 3 Jack
Expansion Slots	
M.2	1x M.2 2280 M Key PCIe Gen4x4 1x M.2 2230 E Key with (Wi-Fi(Pcie Gen 4x1), (USB)) 1x M.2 3042/ 3052 B-key (USB3.0/2.0, PCIe) w/ SIM card
TPM	
	Yes
Function Expansion	
	Customization By PCIe4x4
Dimension	
	180 x 130 x 70 mm
Power Supply	
	12 to 24V DC +-5%
OS	
	Win 10 IoT LTSC 2021 / Ubuntu 22.04 (Support By project)
Environment	
Operating Temperature	-20°C to 60°C (With 0.6m/s Air Flow, 15W CPU)
Storage Temperature	-40°C to 85°C (-40°F to 185°F) (excl. HDD/SDD/CF)
Humidity	~95% @ 40°C (104°F) (non-condensing)
Shock	30G, IEC60068-2-27, half sine, 11m duration
Vibration	3 Grms, IEC 60068-2-64, random vibration, 5 ~ 500 Hz, 1 hr/axis
EMC	
	CE and FCC Class B
Safety	
	UL 62368, CB