

MXE-230 Series

Ultra-compact rugged Edge Computers with Intel® N97 Processor

Preliminary



Features

- Alder Lake N Intel® N97 Processor
- DDR5 4800MHz memory up to 16GB
- Two independent display: 1 HDMI, 1 DisplayPort (up to 4K 60Hz)
- 2 Serial ports, 2 Giga LANs, 1 USB 3.2, 3 USB 2.0 ports
- Variety expansion slots, 1 M.2 B-Key, 1 M.2 E-Key, 1 M.2 M-Key
- TPM 2.0 onboard

Introduction

The MXE-230 Series computers are built with latest Intel® Alder Lake N generation processor and come with 1 HDMI, 1 Displayport, 4 USB ports, 2 gigabit LAN ports, 2 3-in-1 RS-232/422/485 serial ports and a built-in TPM 2.0 module.

Additional value and convenience is provided through a modular design with three independent slots for flexible system integration and expansion. Users have the option to add a variety of different communications modules, including Wi-Fi, 4G/LTE, GPS expansion modules and M.2 2280 M-key storage.

Ordering Information

- MXE-231/M8G
Intel® N97, DDR5 8GB, 1x DP, 1x HDMI, 2x GbE,
2x RS-232/422/485, 4x USB

Optional Accessories

- 120W AC to DC power adapter 31-62163-1000-A0

Packing Lists

- MXE-230 computer unit
- Wall mount bracket

Specifications

Processor System	CPU	N97, 4-cores, 3.6GHz, 12W
	Memory	1x DDR5 SO-DIMMs, up to 4800MHz
	Operating Systems	Windows 10 IoT Enterprise LTSC 21H2 (64-bit) Ubuntu 22.04
Display	HDMI	1
	DisplayPort	1
Ethernet	Gbe Port	2
	Controller/ Frequency	2x Intel® i210IT, support 1Gbps/ 100Mbps / 10Mbps
I/O Interfaces	USB	1x USB 3.2 Gen 2x1 ports (10Gbps) (Type-A) 3x USB 2.0 (Type-A)
	COM	2x RS-232/422/485 DB9 Connector
	Serial ATA	1x SATA 6Gb/s ports w/ 5V SATA power
	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), BT(USB2.0)) M.2 3042 B-key (USB3.0/2.0) w/ SIM card
	TPM	Yes (TPM 2.0)
Mechanical	Dimension	165 x 120 x 62 mm (6.49" x 4.72" x 2.44" inch)
Environment	Power Supply	12V-24V DC Jack connector
	Operating Temperature	-20°C to 60°C
	Storage Temperature	-40°C to 85°C
EMC	CE & FCC Class B	
Safety	CB, UL/cUL	

Dimension

