MXE-310 Series

Compact, High-Performance, Rugged Edge Computers with Intel® 13th Gen Core™ i7/i5/i3 Processor

Features

- 13th Gen Intel® Core™ i7/i5/i3 processor
- 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 : 16bit DIO, 4 COM, CAN BUS (Optional) , and expendable IO (Through AFM)
- Supports EdgeGO Remote Management and Control Software



Windows Canonical Ubuntu EdgeGO

ASD+ 60°C -20°C

Ordering Information

PN	Model Name	CPU	Memory	Storage	USB Type-C	DP	HDMI	LAN	COM	SATA	M.2	USB2.0	USB3.0	DIO
93-41062-00xx	MXE-310/315E/M8G	i3-1315UE	DDR5 4800 MHz 8G	x	1	1	1	2	4	1	B,E,M	3	2	8

Packing Lists

PN	Description	QTY
34-35010-1000-A0	Wall mount BRACKET	1

Optional Accessories

PN	Description
34-33430-0000-B0	DIN RAIL MOUNTING BRACKET
31-62163-1000-A0	120W, Adapter, 12V/10A, DC Jack
30-00001-0030	USA Power Cord

Embedded OS

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

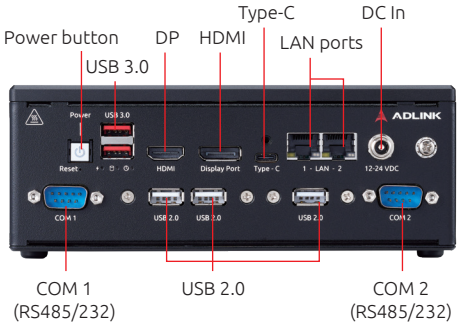
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Specifications

Model	MXE-310/315E
Processor System	
CPU	I3-1315UE
Memory	
DIMM Type/ Frequency	2x DDR5 SO-DIMMs, up to 4800MHz
Max. Capacity	max 64 GB
Display	
HDMI	1 (Optional 2)
DisplayPort	1
Ethernet	
Gbe Port	2x GbE ports/I226IT (optional 6 LAN)
Storage	
SSD	1x SATA III 6Gb/s for 2.5inch SSD
I/O Ports	
USB	2x USB 3.2 Type A 3x USB 2.0 Type A 1x USB 4.0 Type C (Support Monitor)
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	M.2 2280 M Key (PCIe x2) M.2 2230 E Key M.2 3042 B-key
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

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I/O View





CPU Support List

Family	Number	CPU Core	Frequency	Processor Base Power
Rapter Lake	i3-1315UE	6 Cores	1.2 GHz	15 W
Rapter Lake	i5-1335UE	10 Cores	1.3 GHz	15 W
Rapter Lake	i5-1350PE	12 Cores	1.9 GHz	28 W
Rapter Lake	i7-1370PE	14 Cores	1.9 GHz	28 W

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