

E211 Series

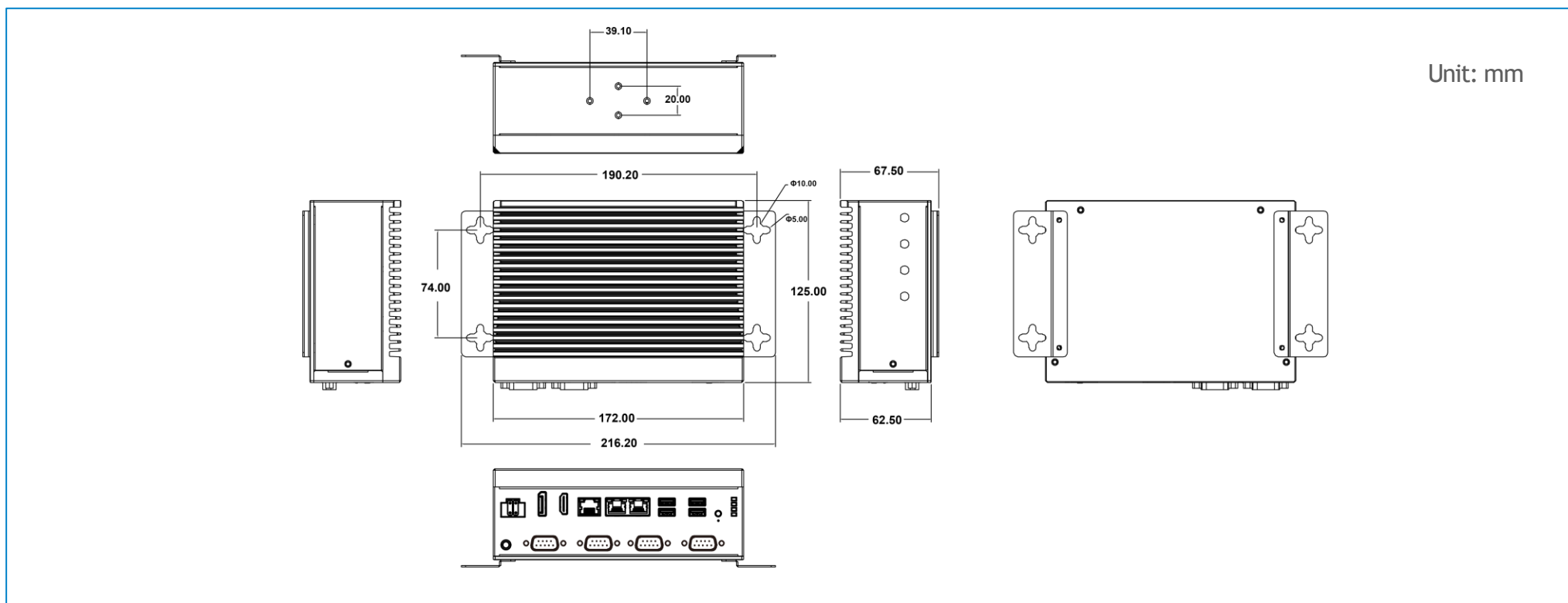
Product Features

- Intel® Atom / Celeron Elkhart Lake X6425E/J6412/ N6210
- Dual channel DDR4 up to 32GB memory
- 2 independent display via DP and HDMI
- 3 LAN (2 x Intel i210, 1 x Intel i226)
- 1 RS-232/422/485, 1 RS-232, 2 RS-232/485
- 2 USB 3.0, 2 USB 2.0
- Support 4G/5G, Wi-Fi module expansion
- DC 9-36V, UPS module is optional
- 172 x 125 x 62.5mm (L x W x H), support Wall-mounting/ Back-mounting/ Din rail installation
- Modular and cable-free design
- CE/FCC Class B, ESD 8KV/15KV
- Windows 10/11, centos 8, ubuntu 20.04/22.04

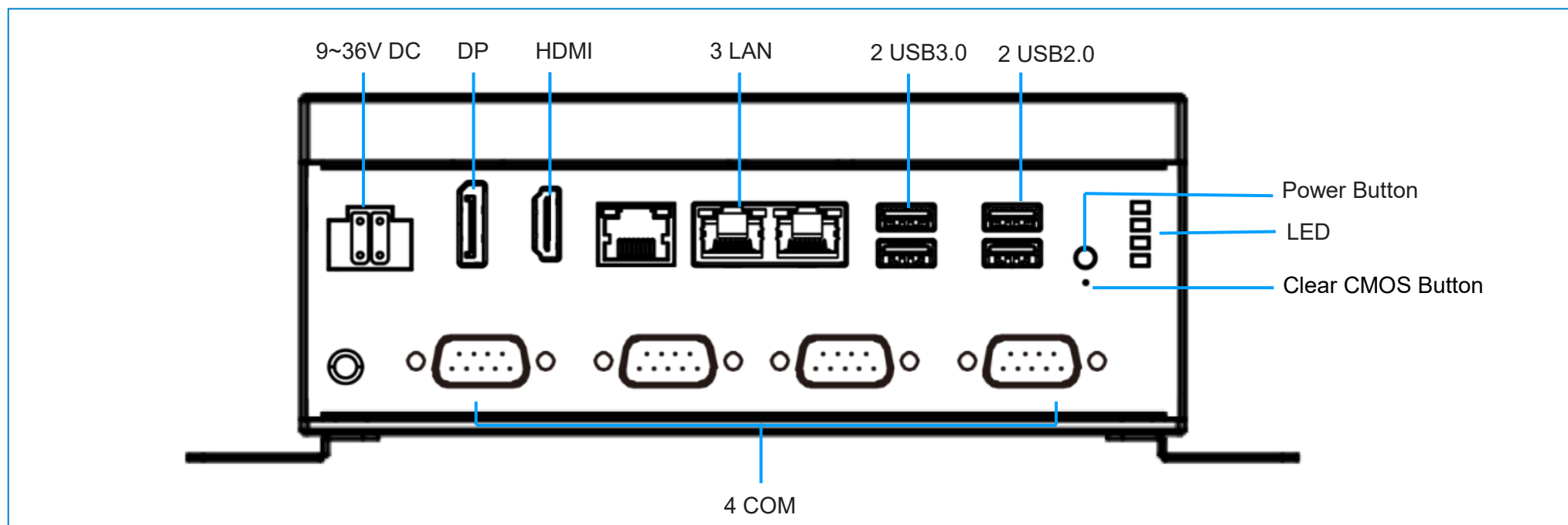
Specifications

Item		Description
Processor System	CPU	Intel® Atom / Celeron Elkhart Lake X6425E/J6412/ N6210
	TDP	Max. 12W
	BIOS	AMI 128Mbit SPI Flash
Memory	Technology	Dual channel DDR4 SO-DIMM
	Max. Capacity	32 GB
Graphics	Controller	Intel Gen11 Graphics Engines (SoC integrated)
	Feature	DX12, OGL4.5, OCL1.2, Vulkan 1.1, MPEG2, H.264, JPEG/MJPEG, H.265 (HEVC)
External I/O	DP	1 x DP1.4, resolution up to 4096 x 2160@60Hz
	HDMI	1 x HDMI 2.0b, resolution up to 4096 x 2160@60Hz
	Ethernet	2 x Intel i210 GbE LAN, 1 x Intel i226 2.5GbE LAN
	Serial Port	COM1: RS-232/422/485, COM2: RS-232, COM3~4: RS-232/485 (Default mode is RS-232)
	USB	2 x USB2.0, 2 x USB3.0
	Power Input Connector	4 PIN Phoenix terminal, support remote switch
LED & Switch	LED Indicator	Power status, HDD, User-defined 1, user-defined 2
	Power Button	1 x Power Button
	Clear CMOS Button	1 x Clear CMOS Button
Internal Connectors	Internal USB2.0	2 x internal USB2.0 (PIN-Out), 1 x internal USB2.0 Type-A
	M.2 E-Key	1 x M.2 2230 support Wi-Fi (Support PCIe protocol)
	M.2 B-Key	1 x M.2 3052 support 4G/5G
	M.2 M-Key	1 x M.2 2280 Sata3.0
	SATA	1 x SATA3.0 (可选)
	SIM	1 x Nano SIM
Power Supply	Power Input	DC 9-36V ± 10%
	Max. Consumption	30W
	Power Management	AT/ATX
Others	Watchdog	Interrupt, system reset, programmable 1 ~ 255 seconds/minute
	TPM	TPM 2.0 (Optional)
Environment	Operating Temperature	0 ~ 60 °C (32~140°F)
	Storage Temperature	-40° C ~ 85° C (-40~185°F)
	Operating Humidity	95% @ 40 °C (Non-condensing)
	Storage Humidity	95% @ 60 °C (Non-condensing)
Physical Characteristic	Dimension	172 x 125 x 62.5mm (L x W x H)
	Weight	1.26 kg
	Installation	Wall-mounting/ Back-mounting/ Din rail
Certification	EMC	CE, FCC
Operation System	OS	Windows 10/11, centos 8, ubuntu 20.04/22.04

Dimension



Interfaces



Ordering Information

Model	CPU	Turbo Frequency	TDP	Core/ Thread	LAN	COM	USB3.0	USB2.0	DP	HDMI	Power
E211-01	Celeron-J6412	2.60 GHz	10W	4C/4T	3	4	2	2	1	1	9~36V DC
E211-02	Celeron-N6210	3.00 GHz	6.5W	2C/2T	3	4	2	2	1	1	9~36V DC
E211-03	X6425E	3.00 GHz	12W	4C/4T	3	4	2	2	1	1	9~36V DC

Optional Accessories

Part Number	Description
MF0A000000000070	WIFI+BT module M.2 2230 WIFI5 2T2R AW-CB515NF
MF0A000000000069	WIFI+BT module M.2 2230 WIFI6 2T2R AW-XB547NF
MF0A000000000016	5G module, M.2 RM500Q-GL Sub-6 GHz Worldwide (Excluding US)
MF0A000000000042	5G LTE module, M.2 RM520NGLAA-M20-SGASA, Worldwide
MF0A000000000036	4G LTE module, M.2 EM05CEFC-128-SGAS, China
MF0A000000000066	5G LTE module, M.2 RM500UCNVAA-D10-SNADA EMEA/Asia-Pacific
82UPS000000000002	Internal UPS module
MC0A000000000025	Din rail clip (25*80mm)

OS Support

Part Number	Description
AA0A000000000002	Win10 IoT Ent 2019 LTSC Entry OEM
AA0A000000000003	Win10 IoT Ent 2019 LTSC MultiLang ESD OEI High End
AA0A000000000004	Win10 IoT Ent 2019 LTSC MultiLang ESD OEI Value
AA0A000000000005	Win10 IoT Ent 2021 LTSC Multilang ESD OEI Entry
A087	Win 11
A088	centos 8
A049	ubuntu 20.04 (E211)
A053	ubuntu 22.04 (E211)

Packing List

Part Number	Description	Quantity
-	E211 Series Embedded PC	1
KE0A000000000004	Round head screws	6
ZM0A000000000020	Three-plug power cord	1
ZM0A000000000058	12V 3A Power adaptor with 4PIN terminal	1
MC0A000000000019	Wall-mounting kits (100*37*1mm)	1