

# E612 Series

## Features

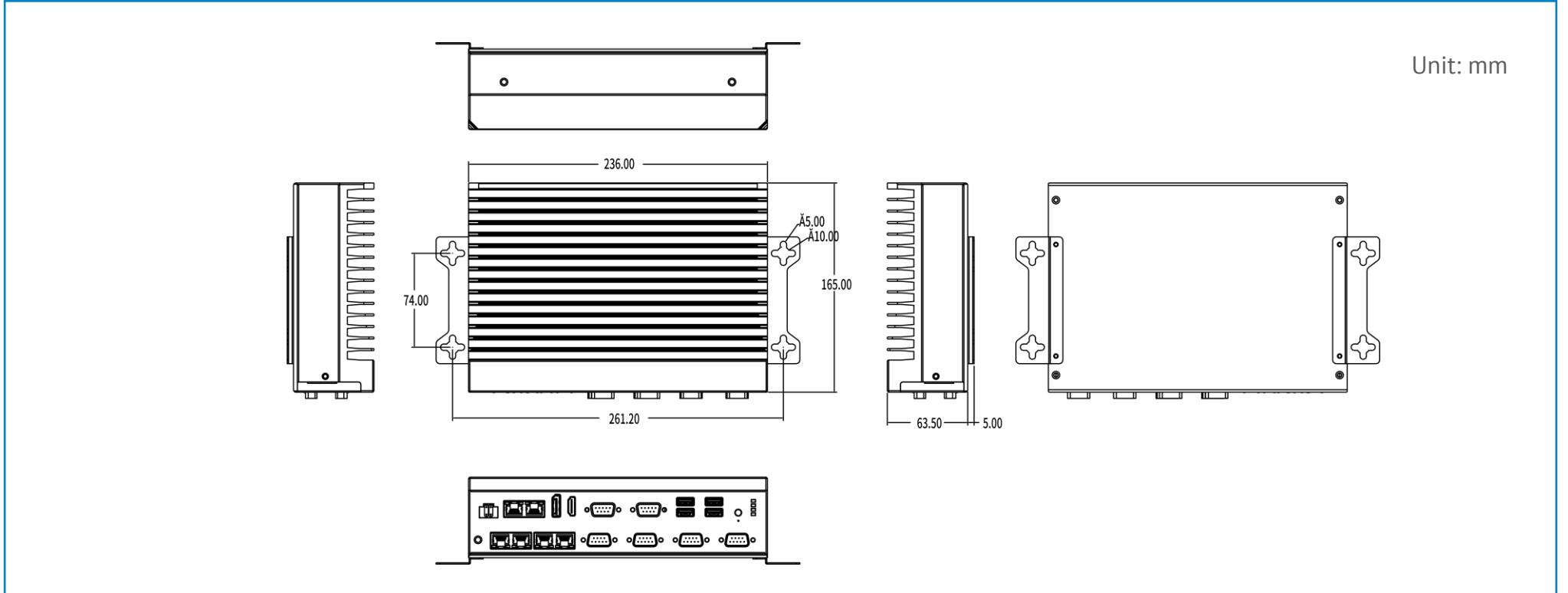


- Intel 11<sup>th</sup> Gen Core i3/i5/i7 Series CPU
- Dual channel DDR4-3200 UP to 64GB
- 2 independent displays via DP and HDMI
- 6 LAN (4 x Intel i210 with PoE function, 2 x Intel i226-V)
- 4 USB 3.0
- 1 RS-232/422/485, 2 RS-232, 3 RS-232/485
- Support 4G/5G, Wi-Fi 6 module expansion
- DC 9~36V, UPS module is optional
- CE/FCC Class B, ESD 8KV/15KV
- Modular and cable-free highly reliable design
- 236 x 165 x 63.5mm (L x W x H), support wall-mounting and Back-mounting installation
- Windows 10/11, centos 8, ubuntu 20.04/22.04

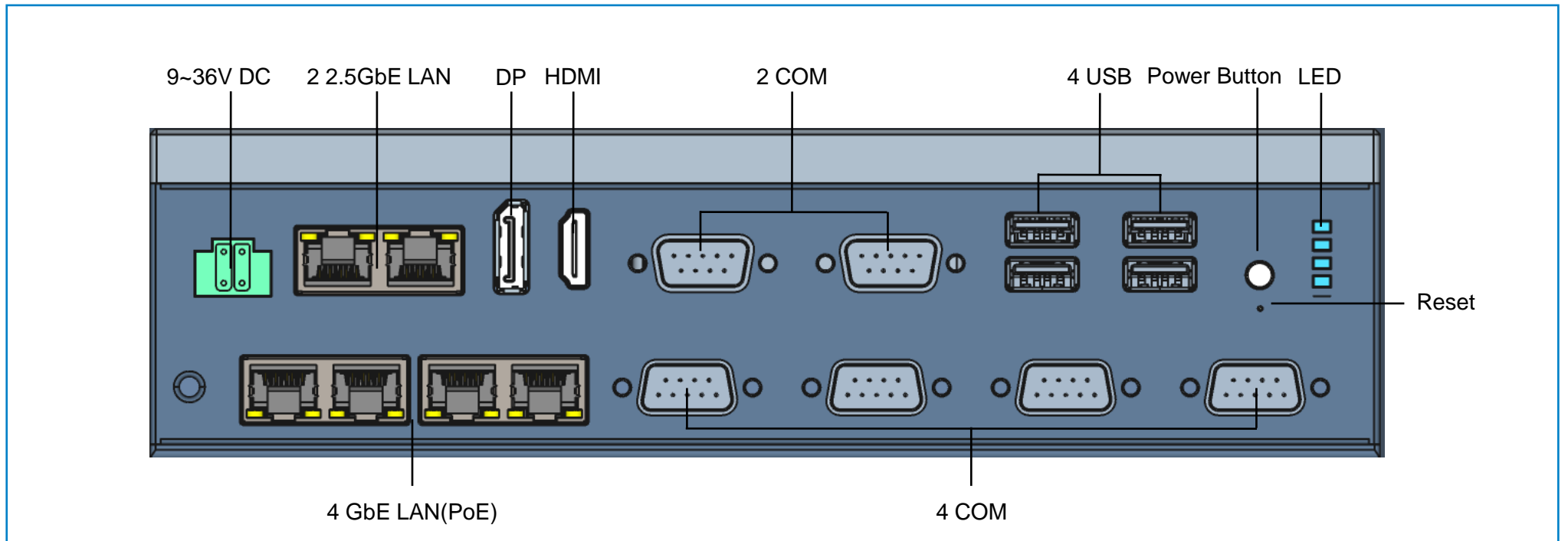
## Specifications

Items	Descriptions	
Processor System	CPU	Intel 11 <sup>th</sup> Gen Core i3/i5/i7 Series CPU
	TDP	28W MAX
	BIOS	AMI 128Mbit SPI Flash
Graphics	Controller	Intel® Iris® Xe graphics, up to 96 graphics execution units(EU)
	Graphic Features	5K60 10b 4:4:4 HEVC/VP9/SCC, 8K60 12b 4:2:0 HEVC/VP9/SCC, 8K30 10b 4:2:0 AV1, 4K60 8b 4:2:0 AVC
Memory	Technology	Dual channel DDR4 3200
	Max. Capacity	64 GB
	Socket	2 x SO-DIMM
Storage	SATA 3.0	1 x SATA 3.0
	M.2 M-Key	1 x M.2 M-Key 2280 support SSD
Display	DP	1 x DP 1.4a up to 4096 x 2304 x 36 bpp @60 Hz or 5120 x 3200 x 24 bpp @60Hz
	HDMI	1 x HDMI 2.0b up to 4096 x 2304 x 24 bpp @60 Hz
External I/O	Ethernet	4 x Intel i210 GbE LAN (with PoE function), 2 x Intel i226-V GbE LAN
	USB 3.0	4 x USB3.0
	Serial Ports	1 x RS-232/422/485, 2 x RS-232, 3 x RS-232/485
LED and Switch	LED	4 (SATA, USER3, USER2, USER1)
	Power Button	1 x Power Button
	Reset	1 x Reset
Internal I/O	M.2 E-Key	1 x M.2 E-Key 2230 support Wi-Fi (Supports both PCIe and CNVI protocols)
	M.2 B-Key	1 x M.2 B-Key 3052 support 4G/5G
	SIM	1 x Nano SIM
Power Supply	Supply voltage	DC 9~36V
	Power management	AT/ATX
	Max. consumption	60W
Others	Watchdog	65536 level, 0~65535 sec
	TPM	TPM 2.0
Physical Characteristics	Dimension	236 x 165 x 63.5mm (L x W x H)
Environment	Operational Temperature	0 ~ 60° C
	Storage Temperature	-40° C ~ 85° C
	Relative Humidity	operating 95%@ 40 °C (non-condensing)
	Relative Humidity	non-operating 95%@ 60 °C (non-condensing)
Certification	EMC	CE, FCC
OS	Operation system	Windows 10/11, centos 8, ubuntu 20.04/22.04

## Dimensions



## Interface



## Ordering Information

Model	CPU	Memory	TDP	Core/Thread	GbE	USB3.0	COM	DP	HDMI	SATA3.0	M.2	Power Input
E612-B300	i3-1115G4	4.10 GHz	MAX. 28W	2C/4T	6	4	6	1	1	1	3	9~36V DC
E612-B500	i5-1135G7	4.20 GHz	MAX. 28W	4C/8T	6	4	6	1	1	1	3	9~36V DC
E612-B700	i7-1165G7	4.70 GHz	MAX. 28W	4C/8T	6	4	6	1	1	1	3	9~36V DC

## Accessories List (Optional)

Part Number	Description
-	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
82UPS00000000002	UPS module
MA0A070000000007	Back mounting kit (280*50*4mm)

## Operation System

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
-	Win 11
-	centos 8
-	ubuntu 20.04
-	ubuntu 22.04

## Packing List

Part Number	Description	Quantity
-	E612 series industrial PC	1
MC0A000000000019	Wall mounting kit (100*37*1mm)	1
KE0A000000000004	Round head screw	6
ZM0A000000000020	Three-plug power cord	1
ZM0A000000000058	24V 5A power adapter with 4 PIN Phoenix terminal	1