

E721 Series

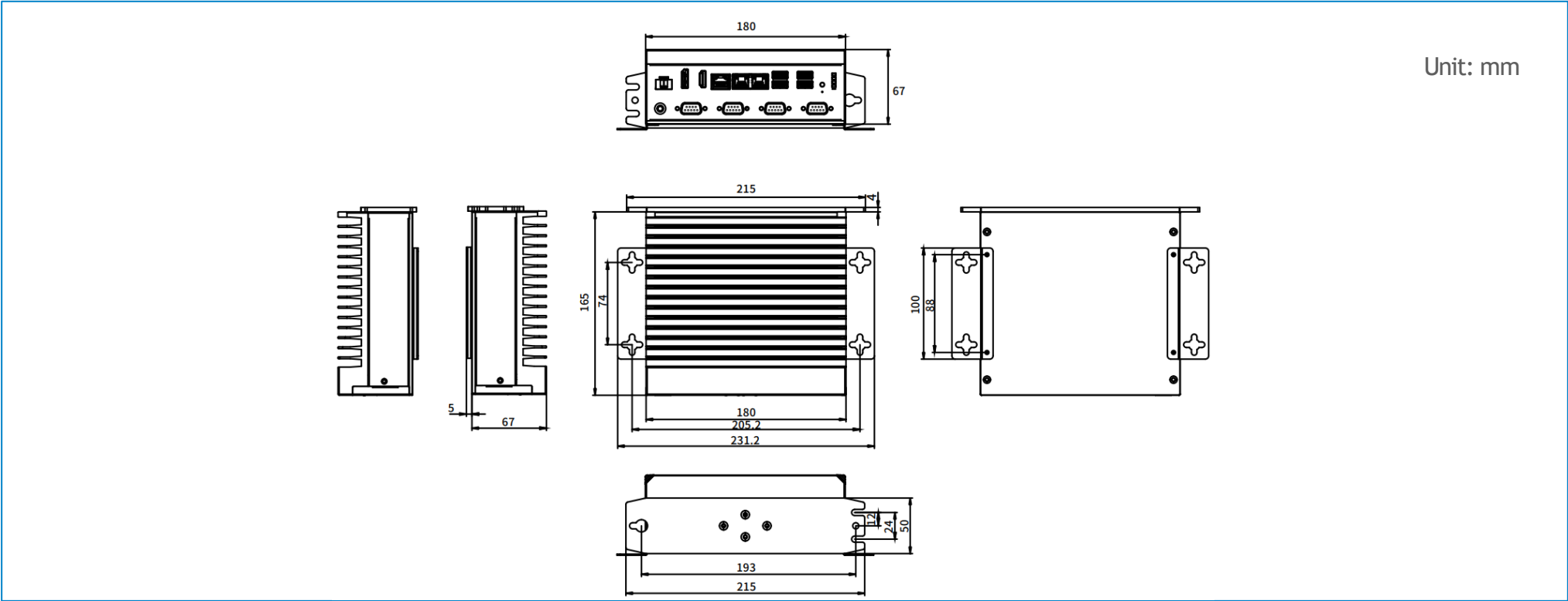
Product Features

- Intel® Alder Lake N N97/ i3-N305 CPU
- Single channel DDR5 up to 16GB memory
- 2 independent display via DP and HDMI
- 3 LAN (2 x Intel i210, 1 x Realtek RTL8111H)
- 1 RS-232/422/485, 1 RS-232, 2 RS-232/485
- 3 USB 3.0, 1 USB 2.0
- Support 4G/5G, Wi-Fi 6 module expansion
- DC 9-36V, UPS module is optional
- 180 x 165 x 67mm (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

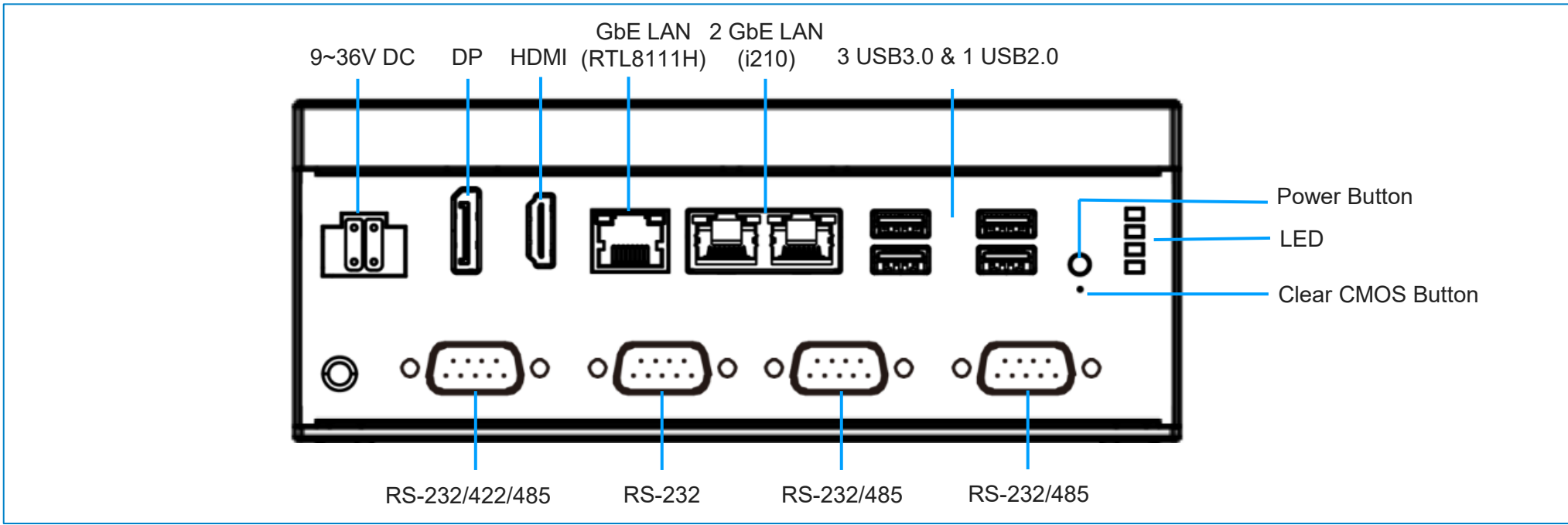
Specifications

Item		Description
Processor System	CPU	Intel® Alder Lake N N97/ i3-N305 CPU
	TDP	Max 15W
	BIOS	AMI 128Mbit SPI Flash
Memory	Technology	Single channel DDR5 SO-DIMM
	Max. Capacity	16GB
Graphics	Controller	Intel Gen12 UHD Graphics Engines (SoC integrated)
	Feature	DX12,Open GL4.6,Vulkan 1.2
External I/O	DP	1 x DP1.4a, resolution up to 4096 x 2304@60 Hz
	HDMI	1 x HDMI 2.0b, resolution up to 4K x 2K@60Hz
	Ethernet	2 x Intel i210 GbE LAN, 1 x 4K x 2K@60Hz GbE LAN
	Serial Port	COM1: RS-232/422/485, COM2: RS-232, COM3~4: RS-232/485 (Default mode is RS-232)
	USB	1 x USB2.0, 3 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	1 x internal USB2.0 (PIN-Out), 1 x internal USB2.0 Type-A support Dongle
	M.2 E-Key	1 x M.2 2230 support Wi-Fi 6 (Support only CNVI protocol)
	M.2 B-Key	1 x M.2 3052 support 4G/5G
	M.2 M-Key	1 x M.2 2280 Sata3.0
	SIM	1 x Nano SIM
Power Supply	Power Input	DC 9-36V ± 10%
	Max. Consumption	60W
	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	180 x 165 x 67mm (L x W x H)
	Weight	1.5 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
E721-02	N97	3.60 GHz	12W	4C	3	4	3	1	1	1	9~36V DC
E721-04	i3-N305	3.80 GHz	15W	8C/8T	3	4	3	1	1	1	9~36V DC

Optional Accessories

Part Number	Description
MF0A000000000057	WIFI+BT module, M.2 2230 CNVi WiFi5 2.4G/5G 2x2 9560
MF0A000000000078	WIFI+BT module, M.2 2230 CNVi WiFi6 2.4G/5G 2x2
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
-	Din Rail Clip

OS Support

	Description
Windows	Win10 IoT Ent 2019 LTSC Entry OEM
	Win10 IoT Ent 2019 LTSC MultiLang ESD OEI High End
	Win10 IoT Ent 2019 LTSC MultiLang ESD OEI Value
	Win10 IoT Ent 2021 LTSC Multilang ESD OEI Entry
	Win 11
Linux	centos 8
	ubuntu 20.04
	ubuntu 22.04

Packing List

Part Number	Description	Quantity
-	E721 Series Embedded PC	1
KE0A000000000004	Round head screws	6
ZM0A000000000020	Three-plug power cord	1
ZM0A000000000058	24V 2.5A Power adaptor with 4PIN terminal	1
MC0A000000000019	Wall-mounting kits (100*37*1mm)	1

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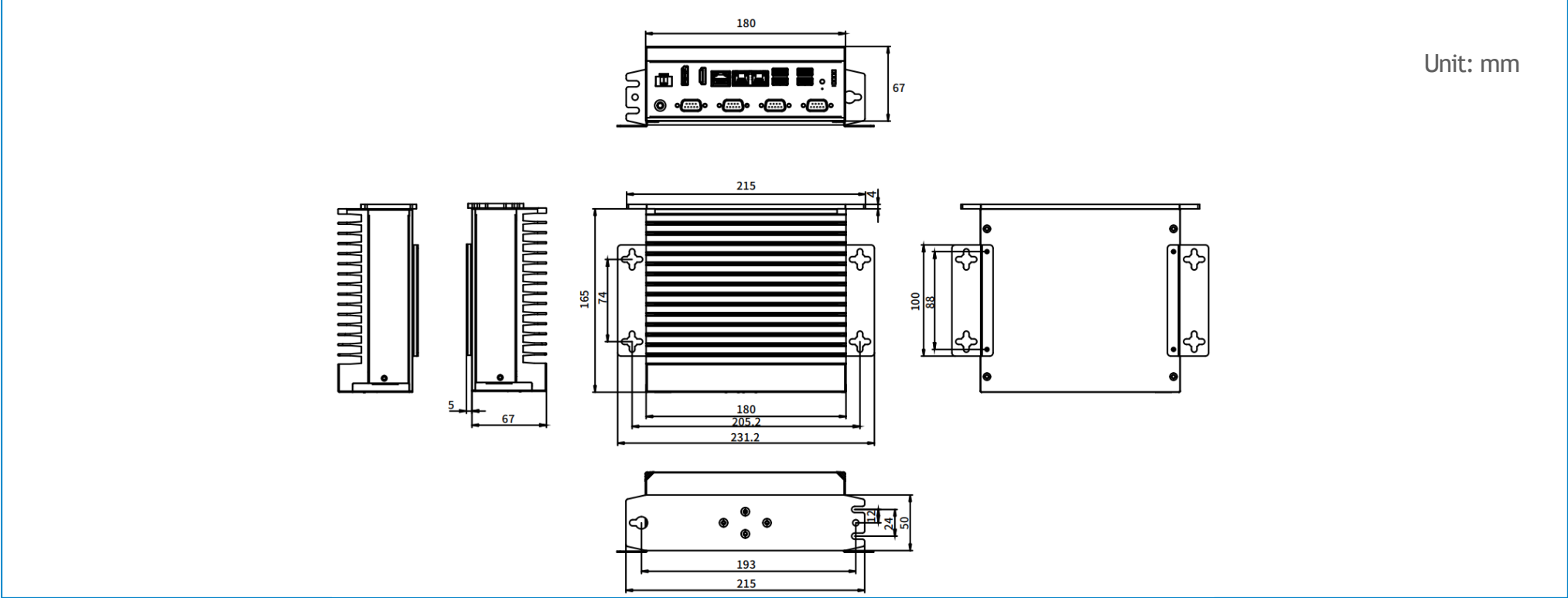
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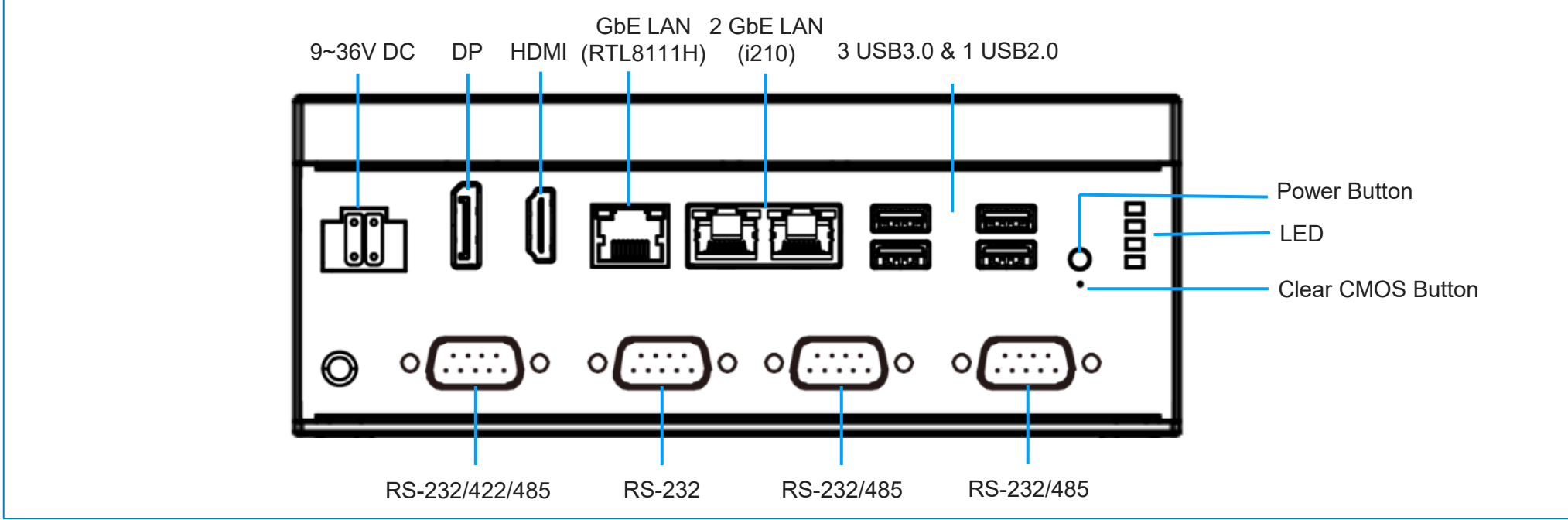
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