

E521-C Series



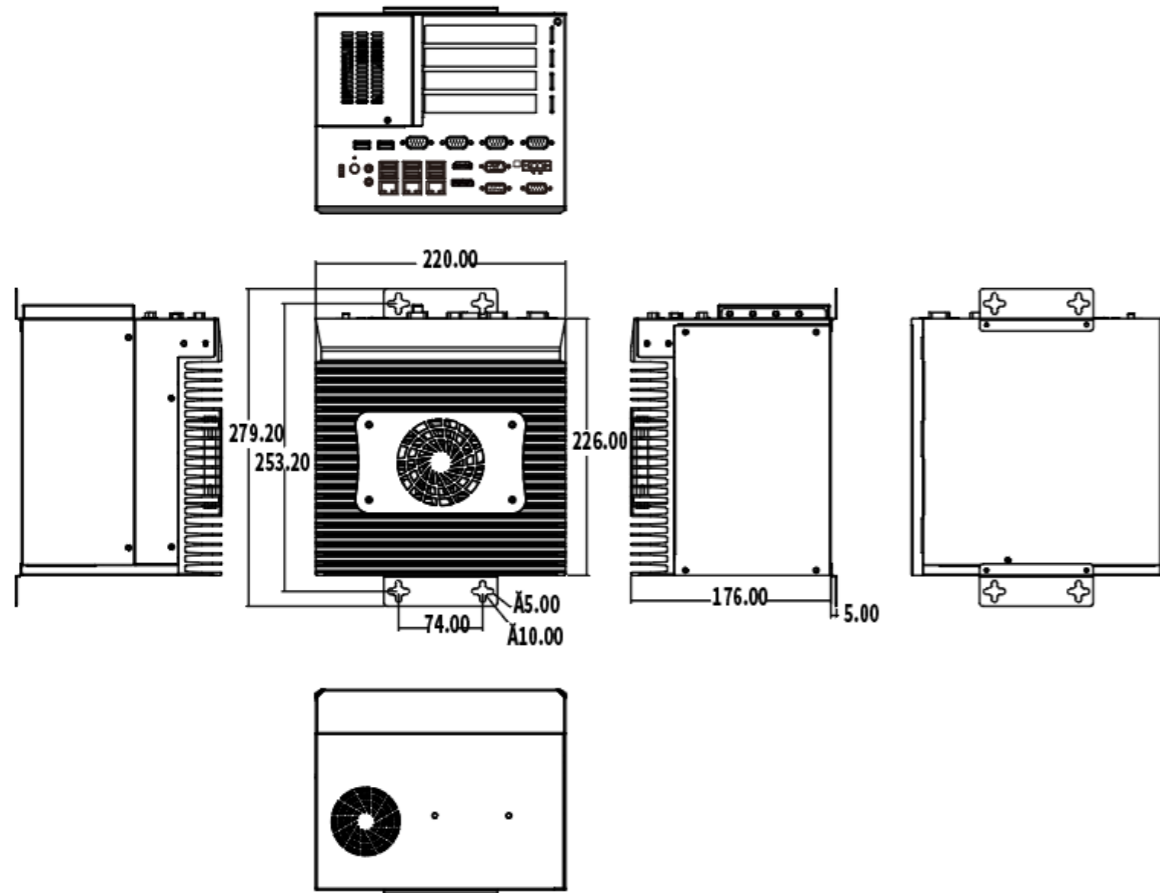
▶ Product Features

- Intel® 12-14th Gen Core i3/ i5/ i7 Series
- H610/H670/Q670 Chipset
- Dual channel DDR5, Max 128GB
- 3 independent display via 1 DP, 1 HDMI and 1 VGA
- 3 LAN (2 x Intel i210, 1 x Intel i219)
- 1 RS-232/422/485, 3 RS-232/485, 2 RS-232
- 4 USB 3.2, 4 USB 2.0 (H610) or 6 USB3.2, 2 USB20 (H670/Q670)
- 1 PCIe 5.0 x16, 1 PCIe 4.0 x4(x2 signal), 2 PCI
- Support 4G/5G, Wi-Fi module Expansion
- DC 24V, Optional UPS module
- CE/FCC Class B, ESD 8KV/15KV
- Modular and cable-free high reliability design
- 220 x 226 x 176 mm (L x W x H), support Wall mount Installation
- Windows 10/11, centos 8, ubuntu 20.04/22.04

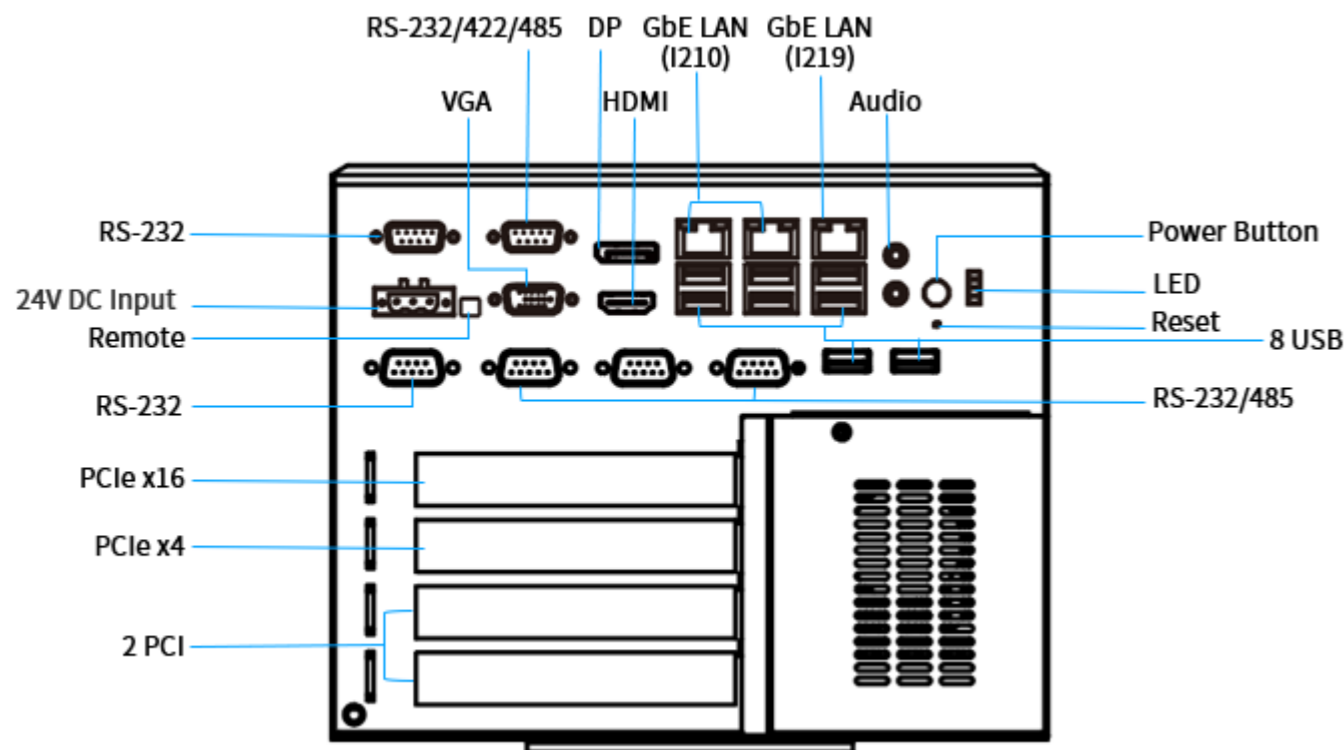
▶ Technology Specifications

E521-C Series			
CPU	CPU	Intel® 12-14th Gen Core™ Processors	
	TDP	65W	
	Socket	LGA1700	
	Chipset	H610/H670/Q670	
	BIOS	AMI 128Mbit SPI Flash	
Memory	Technology	Dual channel 262-PIN DDR5 SO-DIMM	
	Max . Capacity	Max 128GB	
Graphic	Controller	Intel UHD Graphics 770	
	DP	1 x DP1.4a, resolution up to 4096x2304@60Hz	
External I/O	HDMI	1 x HDMI2.0b, resolution up to 4096 x 2160@60 Hz	
	VGA	1 x VGA, resolution up to 1920 x 1200@60Hz	
	LAN	3 x Intel i210 GbE, 1 x Intel i219 GbE	
	USB 3.2	H610: 4 USB3.2 (2 x GEN1, 2 x GEN2) Q670/H670: 6 USB3.2 (GEN2)	
	USB 2.0	H610: 4 USB2.0 Q670/H670: 2 USB2.0	
	Serial Port	1 RS-232/422/485, 3 RS-232/485, 2 RS-232	
	audio	1 x Line out, 1 x Mic in	
	Power Connector	1 x 3 PIN Phoenix terminal	
	LED & Switch	Reset	1 x Reset
		Power Button	1 x Power Button
LED		4 (SSD, Memory, User 1, User 2)	
Expansion	USB	1 x Internal USB2.0 (Type A)	
	PCIe/PCI	1 PCIe 5.0 x16, 1 PCIe 4.0 x4(x2 signal), 2 PCI	
	SATA3.0	2 x SATA 7+15	
	M.2 E-Key	1 x M.2 2230 support Wi-Fi (support PCIe Protocol)	
	M.2 B-Key	1 x M.2 3042 B-Key support 4G (H610), 1 x M.2 3052 B-Key support 4G/5G (H670/Q670); or 1 x M.2 2280 support SATA3.0	
	M.2 M-Key	1 x M.2 2280 M-Key SATA3.0	
	SIM	1 x NANO SIM	
Power Supply	Power Input	24V DC	
	Power Management	AT/ATX	
	Max .Consumption	240W	
Others	Watchdog	65536 lever, 0~65535 sec	
	TPM	TPM2.0(Optional)	
Physical Characteristics	construction	aluminium alloy	
	Installation	Wall mount	
	Dimension	220 x 226 x 176mm (LxWxH)	
	Weight	4.3 Kg	
Environment	Operating Temperature	0~50°C (32~122°F)	
	Storage Temperature	-40~85 °C (-40~185°F)	
	Operating Humidity	95% @ 40 °C(Non-condensing)	
	Storage Humidity	95% @ 60 °C(Non-condensing)	
Certification	EMC	CE, FCC	
OS	OS	Windows 10/11, centos 8, ubuntu 20.04/22.04	

▶ Product Dimension



▶ Product Interfaces



▶ Ordering Information

Model	CPU	TDP	Max power	Core	Thre ad	LAN	COM	USB3.2	USB2.0	M.2	Power Input
E521C-3000	i3-12100	60W	4.30 GHz	4	8	3	6	4 or 6	4 or 2	3	24V DC
E521C-5000	i5-12400	65W	4.40 GHz	6	12	3	6	4 or 6	4 or 2	3	24V DC
E521C-5000	i5-12500	65W	4.60 GHz	6	12	3	6	4 or 6	4 or 2	3	24V DC
E521C-7000	i7-12700	65W	4.90 GHz	12	20	3	6	4 or 6	4 or 2	3	24V DC
E521D-3000	i3-13100	60W	4.50 GHz	4	8	3	6	4 or 6	4 or 2	3	24V DC
E521D-5000	i5-13400	65W	4.60 GHz	10	16	3	6	4 or 6	4 or 2	3	24V DC
E521D-5000	i5-13500	65W	4.80 GHz	14	20	3	6	4 or 6	4 or 2	3	24V DC
E521D-7000	i7-13700	65W	5.20 GHz	16	24	3	6	4 or 6	4 or 2	3	24V DC
E521E-3000	i3-14100	60W	4.70 GHz	4	8	3	6	4 or 6	4 or 2	3	24V DC
E521E-5000	i5-14400	65W	4.70 GHz	10	16	3	6	4 or 6	4 or 2	3	24V DC
E521E-5000	i5-14500	65W	5.00 GHz	14	20	3	6	4 or 6	4 or 2	3	24V DC
E521E-7000	i7-14700	65W	5.40 GHz	20	28	3	6	4 or 6	4 or 2	3	24V DC

▶ Optional Accessories

Part Number	Description
MF0A000000000070	WIFI+BT module M.2 2230 PCIe WIFI5 2T2R AW-CB515NF
MF0A000000000069	WIFI+BT module M.2 2230 PCIe 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

▶ Packing List

Part Number	Description	Quantity
-	E521-C/D/E Series Expansion Industrial PC	1
ZM0A000000000254	Power Supply adaptor	1
KE0A000000000004	Round head screws	4
ZM0A000000000020	Three-plug power cord	1
MC0A000000000019	Wall-mounting kits(100*37*1mm)	1