

E520 Series

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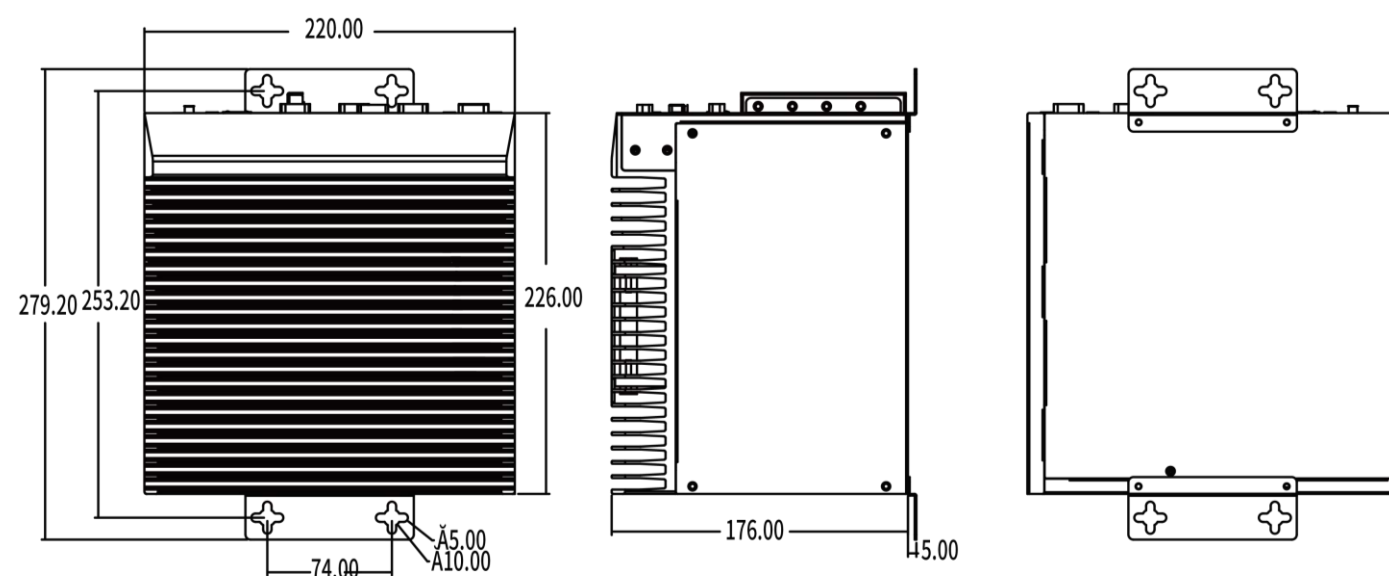
► Product Features

- Intel® 6th to 9th generation Core™ i3/ i5/ i7 CPU
- Dual channel DDR4, Max. 64GB memory
- 3 independent display via 2 DP and 1 VGA
- 6 LAN (5 x Intel i210, 1 x Intel i219)
- 4 USB 3.0, 2 USB 2.0
- 1 RS-232/422/485, 1RS-232
- 16 DI, 16 DO
- 1 PCIe Gen3 x16, 1 PCIe Gen2 x4 (x2 signal) or 2 PCI slot
- Supports 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), supports Wall-mounting installation
- Windows 10/11, Centos 7/8, Ubuntu 18.04/20.04/22.04

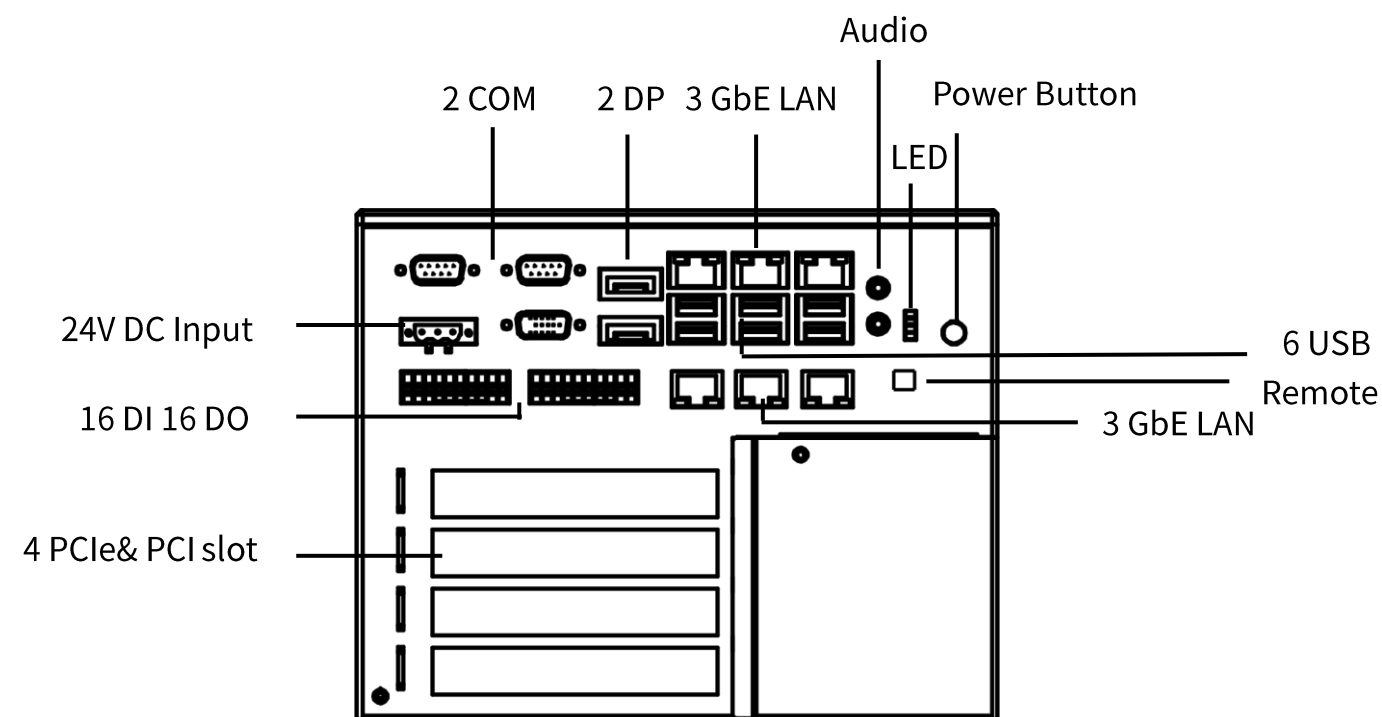
► Technical Specifications

E520 Series		
Processor System	CPU	Intel® 6th to 9th generation Core™ i3/ i5/ i7 CPU
	Chipset	H110
	BIOS	AMI 8MB UEFI BIOS
Memory	Technology	2 x DDR4
	Max. capacity	64 GB
Storage	M.2 M-Key	1 x M.2 2280 SATA3.0
	SATA	3 x SATA 3.0
External I/O	DP	2 x DP, resolution up to 4096 x 2304@60 Hz
	VGA	1 x VGA, resolution up to 1920 x 1080@60 Hz
	Ethernet	5 x Intel i210, 1 x Intel i219 GbE LAN
	USB	4 x USB 3.0, 2 x USB2.0
	Serial Port	1 x RS-232/422/485, 1 x RS-232
	DIO	16 x DI, 16 x DO
	Audio	1 x Mic-In, 1 x Line-Out
	Remote	1 x Remote
	Power Connector	3-pin Phoenix terminal
Expansion	PCIe x16	1 x PCIe 3.0 x16
	PCIe x4	1 x PCIe 2.0 x4 (x2 signal)
	PCI	2 x PCI
LED & Switch	LED Indicator	Memory, Standby, SSD, Watchdog
	Power Button	1 x Power Button
	Clear CMOS	1 x Clear CMOS
Inside Connectors	USB 2.0	1 x internal USB2.0 Type-A
	Mini PCIe	1 x full size mini-PCIe, supports WLAN/WWAN module
	SIM	1 x SIM
Power Supply	Power Input	DC 24V
Others	Watchdog	Interruption and system reset, programmable for 1 to 255 min/sec
Environment	Operating Temperature	0 to 50 °C(32 to 122°F) with airflow 0.7 m/s
	Storage Temperature	-40°C to 85°C(-40 to 185°F)
	Operating Humidity	95% @ 40 °C (Non-condensing)
	Storage Humidity	95% @ 60 °C (Non-condensing)
Physical Characteristics	Dimension	220 x 226 x 176 mm (L x W x H)
	Weight	4.3 kg
	Installation	Wall mount
Certification	EMC	CE, FCC
OS	OS	Win7(Only Gen 6), Windows 10/11, Centos 7/8, Ubuntu 18.04/20.04/22.04

Product Dimension



Product Interfaces



Ordering Information

Model	CPU	TDP	Turbo Frequency	Core/Thread	LAN	USB3.0	USB2.0	COM	DI	DO	PCIe x16	PCIe x4 (x2 signal)	PCI	Power
E520-01	i3- 7100	51W	/	2C/4T	6	4	2	2	16	16	1	1	2	24V DC
E520-02	i5- 7500	65W	3.80 GHz	4C/4T	6	4	2	2	16	16	1	1	2	24V DC
E520-03	i7- 7700	65W	4.20 GHz	4C/8T	6	4	2	2	16	16	1	1	2	24V DC
E520-04	i3- 8100	65W	/	4C/4T	6	4	2	2	16	16	1	1	2	24V DC
E520-05	i5- 8400	65W	4.00 GHz	6C/6T	6	4	2	2	16	16	1	1	2	24V DC
E520-06	i7- 8700	65W	4.60 GHz	6C/12T	6	4	2	2	16	16	1	1	2	24V DC
E520-07	i3- 9100	65W	4.20 GHz	4C/4T	6	4	2	2	16	16	1	1	2	24V DC
E520-08	i5- 9400	65W	4.10 GHz	6C/6T	6	4	2	2	16	16	1	1	2	24V DC
E520-09	i7- 9700	65W	4.70 GHz	8C/8T	6	4	2	2	16	16	1	1	2	24V DC

Optional Accessories

Part Number	Description
-	Wi-Fi+BT module, M.2 2230 WIFI6 2T2R AW-XB547NF
MF0A000000000016	5G module, M.2 RM500Q-GL Sub-6GHz Worldwide (Excluding the US)
MF0A000000000042	5G LTE module, M.2 RM520NGLAA-M20-SGASA, Worldwide
MF0A000000000066	5G LTE module, M.2 RM500UCNVAA-D10-SNADA EMEA, Asia-Pacific
MF0A000000000036	4G LTE module, M.2 EM05CEFC-128-SGAS, China

Packing List

Part Number	Description	Quantity
-	E520 Series Scalable Industrial PC	1
MC0A000000000019	Wall-mounting kits (100*37*1mm)	1
KE0A000000000004	Round head screws	6
ZM0A000000000020	Three-plug power cord	1
ZM0A000000000028	Power adaptor with 3-pin terminal	1