

U470 Series Industrial PC



Features 产品特性

- ✓ Intel® 10th Generation Core i3/5/7/9, Pentium®, Celeron® Processors

✓ Intel® H470 chipset

✓ 2 x DDR4 U-DIMM memory sockets support max 64GB

✓ 2 GbE LAN/6 USB/3 Display/1 COM/1 PS/2

✓ 3 SATA3.0/3 PCIe/4PCI

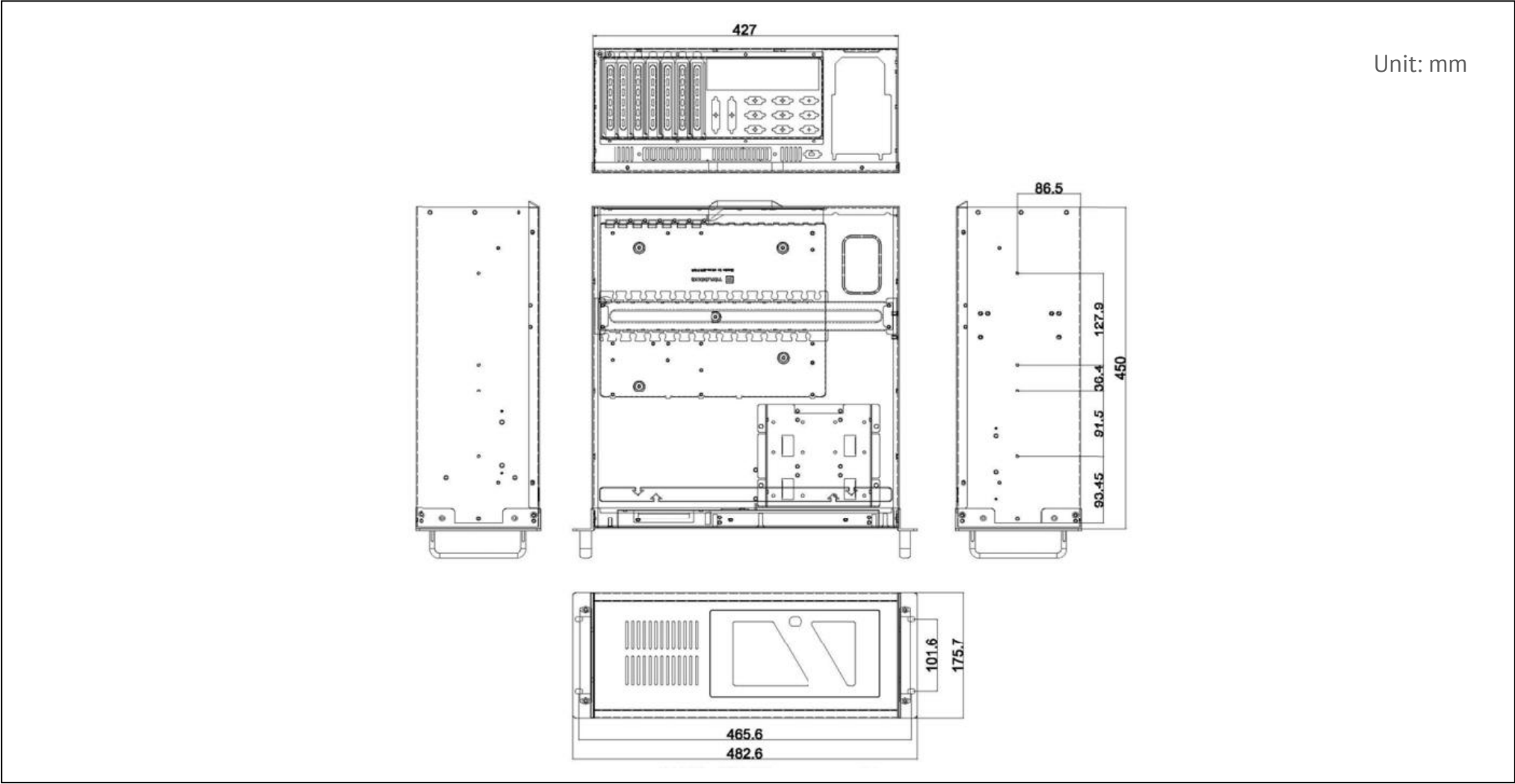
✓ Support Watchdog and onboard TPM 1.2/2.0 (optional, not onboard by default)

✓ Support Windows 10 64bit and Linux system

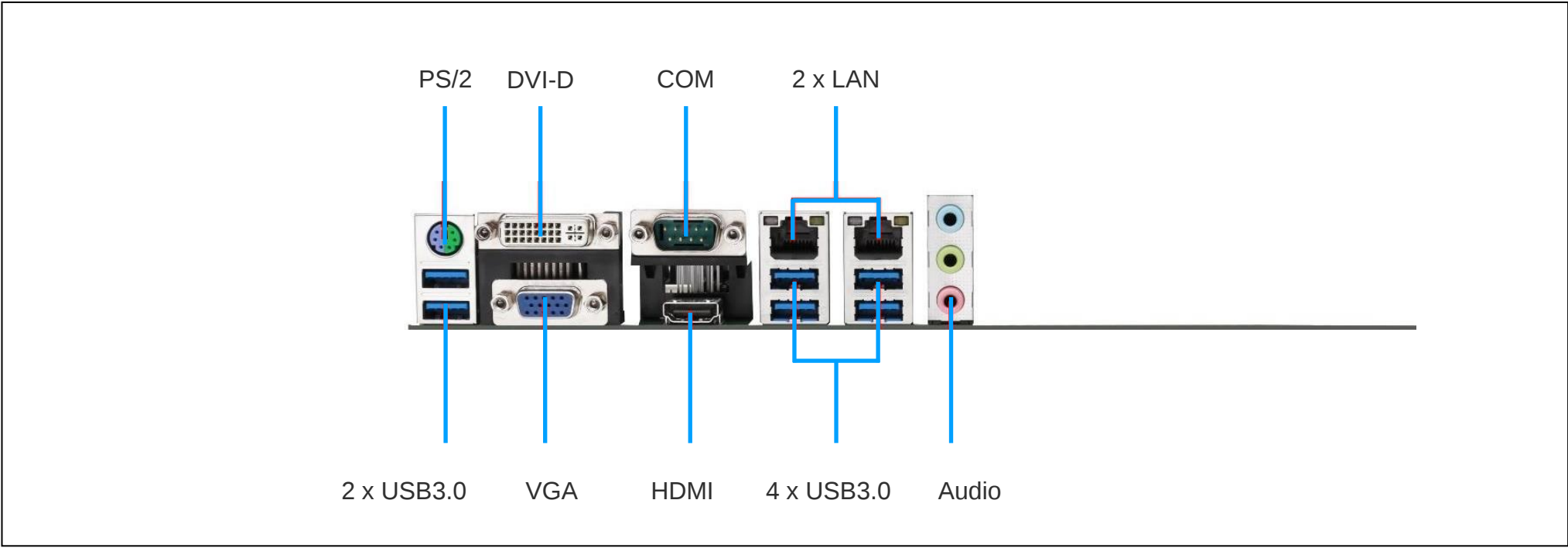
Specifications 规格信息

Item	Sub-Items	U470
Processor System	CPU	Intel® 10th Generation Comet Lake-S series Core i3/5/7/9, Pentium®, Celeron® Processors
	BIOS	AMI UEFI BIOS
	Chipset	Intel® H470
	TDP	Hexa-Core max 65W, Deca-Core max 35W
Memory	Socket	2 x DDR4-2133/2400/2666/2933MHz U-DIMM memory socket
	Max. Capacity	Max 64GB
Storage	SATA3.0	3 x SATA3.0 (Support RST RAID 0,1,5,10)
	M.2 M-Key	1 * M.2 Key-M Slot (PCIE 2x/SATA, Default SATA, Support SATA SSD, 2242/2280)
Display	VGA	1, max resolution up to 1920x1200@60Hz
	HDMI	1 x HDMI 1.4b, support max resolution up to 4096x2160@30Hz
	DVI-D (DVI-I)	1, max resolution up to 1920x1200@60Hz
	eDP	1, max resolution up to 4096x2304@60Hz
External IO	LAN	1 x Intel i225-V 2.5GbE LAN, 1 x Intel i219-V GbE LAN (RJ45, 10/100/1000 Mbps)
	COM	1 x RS-232 (DB9)
	USB	6 x USB3.0
	Audio	Realtek Audio HDA Codec, Line-Out + MIC + Line-In
	PS/2	1 (Keyboard and Mouse)
Internal IO	USB2.0	5
	USB3.0	2
	COM	2 x RS-232/485, 3 x RS-232
	GPIO	8
Expansion	PCIe 16X	1
	PCIe 2X	1 x PCIe 4X slot (PCIe 2X)
	PCIe 1X	1 x PCIe 4X slot (PCIe 4X)
	PCI	4
	M.2 E-Key	1 (PCIe+USB2.0, Support WIFI+ Bluetooth, 2230)
Power	Power supply	ATX Standard (24P + 8P) 1 * ATX 8P CPU Power Input Connector 1 * ATX 24P Power Input Connector
Others	Watchdog	Support watchdog
	TPM	Supports onboard TPM 1.2/2.0 (optional, not onboard by default)
OS	Operation system	Windows 10(64 bit), Linux
Physical Characteristics	Dimension	483 x 450 x 176 mm (L x W x H)
	Weight	10.3KG
Environment	Operational	Temperature range 0°C~60°C
	Storage	Temperature range -20°C~75°C

Dimensions 尺寸



Interface 接口



CPU List

	Intel 10 th generation CPUs					
CPU	i3-10100	i5-10400	i7-10700	i9-10900	G5905	G6400
Max Turbo Frequency	4.30 GHz	4.30 GHz	4.80 GHz	5.20 GHz	3.50 GHz	4.00 GHz
Cores	4	6	8	10	2	2
Threads	8	12	16	12	2	4
TDP	65W	65W	65W	65W	58W	58W
Cache	6 MB	12 MB	16 MB	20 MB	4 MB	4 MB

U420E Series Industrial PC



Features 产品特性

- ✓ Intel® 10th Generation Core i3/5/7/9, Pentium®, Celeron® Processors

✓ Intel® H420E chipset

✓ 2 x DDR4 U-DIMM memory sockets support max 64GB

✓ 2 GbE LAN/6 USB/3 Display/1 COM/1 PS/2

✓ 3 SATA3.0/3 PCIe/4PCI

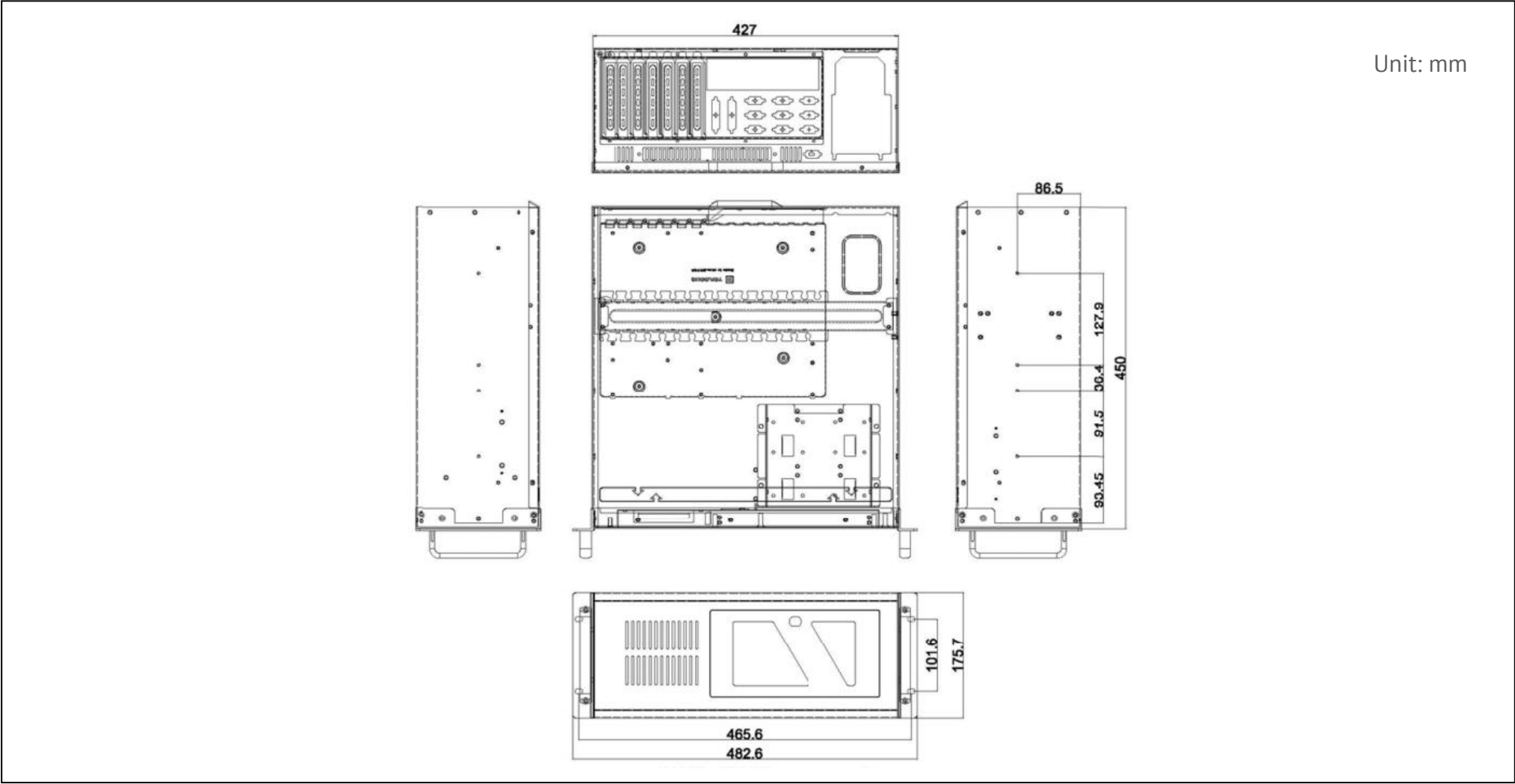
✓ Support Watchdog and onboard TPM 1.2/2.0 (optional, not onboard by default)

✓ Support Windows 10 64bit and Linux system

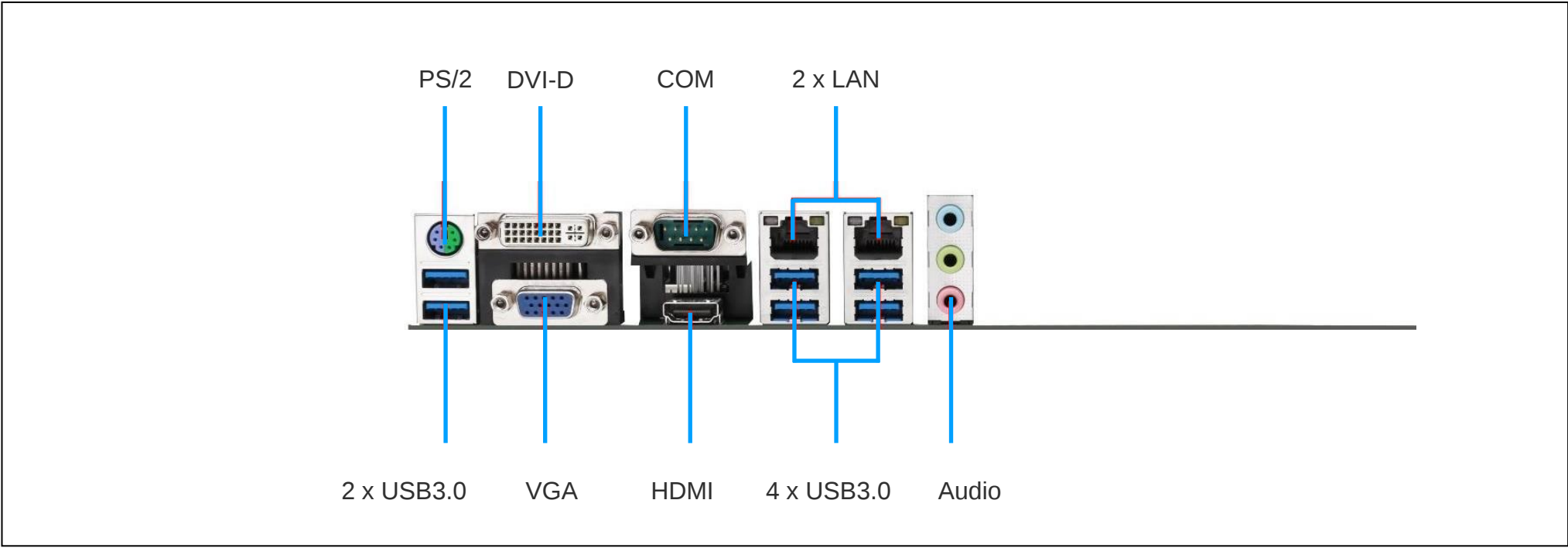
Specifications 规格信息

Item	Sub-Items	U420E
Processor System	CPU	Intel® 10th Generation Comet Lake-S series Core i3/5/7/9, Pentium®, Celeron® Processors
	BIOS	AMI UEFI BIOS
	Chipset	Intel® H420E
	TDP	Hexa-Core max 65W, Deca-Core max 35W
Memory	Socket	2 x DDR4-2133/2400/2666/2933MHz U-DIMM memory socket
	Max. Capacity	Max 64GB
Storage	SATA3.0	3 x SATA3.0
	M.2 M-Key	1 * M.2 Key-M Slot (PCIE 2x/SATA, Default SATA, Support SATA SSD, 2242/2280)
Display	VGA	1, max resolution up to 1920x1200@60Hz
	HDMI	1 x HDMI 1.4b, support max resolution up to 4096x2160@30Hz
	DVI-D (DVI-I)	1, max resolution up to 1920x1200@60Hz
	eDP	1, max resolution up to 4096x2304@60Hz
External IO	LAN	1 x Intel i225-V 2.5GbE LAN, 1 x Intel i219-V GbE LAN (RJ45, 10/100/1000 Mbps)
	COM	1 x RS-232 (DB9)
	USB	6 x USB3.0
	Audio	Realtek Audio HDA Codec, Line-Out + MIC + Line-In
	PS/2	1 (Keyboard and Mouse)
Internal IO	USB2.0	3
	COM	2 x RS-232/485, 3 x RS-232
	GPIO	8
Expansion	PCIe 16X	1
	PCIe 2X	1 x PCIe 4X slot (PCIe 2X)
	PCIe 1X	1 x PCIe 4X slot (PCIe 1X)
	PCI	4
	M.2 E-Key	1 (PCIe+USB2.0, Support WIFI+ Bluetooth, 2230)
Power	Power supply	ATX Standard (24P + 8P) 1 * ATX 8P CPU Power Input Connector 1 * ATX 24P Power Input Connector
Others	Watchdog	Support watchdog
	TPM	Supports onboard TPM 1.2/2.0 (optional, not onboard by default)
OS	Operation system	Windows 10(64 bit), Linux
Physical Characteristics	Dimension	483 x 450 x 176 mm (L x W x H)
	Weight	10.3KG
Environment	Operational	Temperature range 0°C~60°C
	Storage	Temperature range -20°C~75°C

Dimensions 尺寸



Interface 接口



CPU List

	Intel 10 th generation CPUs					
CPU	i3-10100	i5-10400	i7-10700	i9-10900	G5905	G6400
Max Turbo Frequency	4.30 GHz	4.30 GHz	4.80 GHz	5.20 GHz	3.50 GHz	4.00 GHz
Cores	4	6	8	10	2	2
Threads	8	12	16	12	2	4
TDP	65W	65W	65W	65W	58W	58W
Cache	6 MB	12 MB	16 MB	20 MB	4 MB	4 MB