

# E500A Series Industrial PC



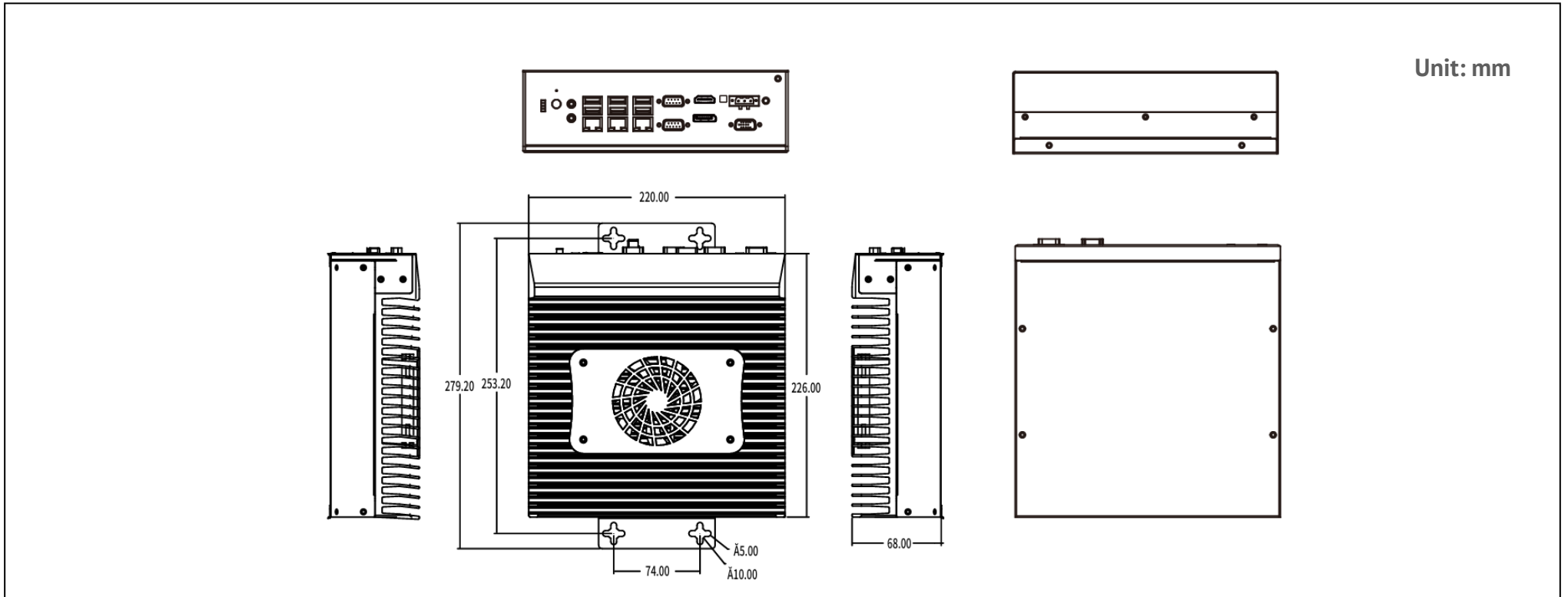
## Features

- Intel® 10th Gen Comet Lake S series Core™ Processors
- Dual channel DDR4 up to 64GB
- 3 independent displays via DP, VGA and HDMI
- 3 GbE LAN (2 x Intel i210-AT, 1 x Intel i219-LM)
- 1 RS-232/422/485, 1 RS-232
- 4 USB 3.0, 2 USB 2.0 (H420E) or 6 USB3.0 (Q470)
- Support UPS, 4G/5G, Wi-Fi expansion
- DC 24V
- Dimensions: 220 x 226 x 68 mm (L x W x H)
- CE/FCC Class B, ESD 8KV/15KV
- Windows 10/11, centos 8, ubuntu 20.04/22.04

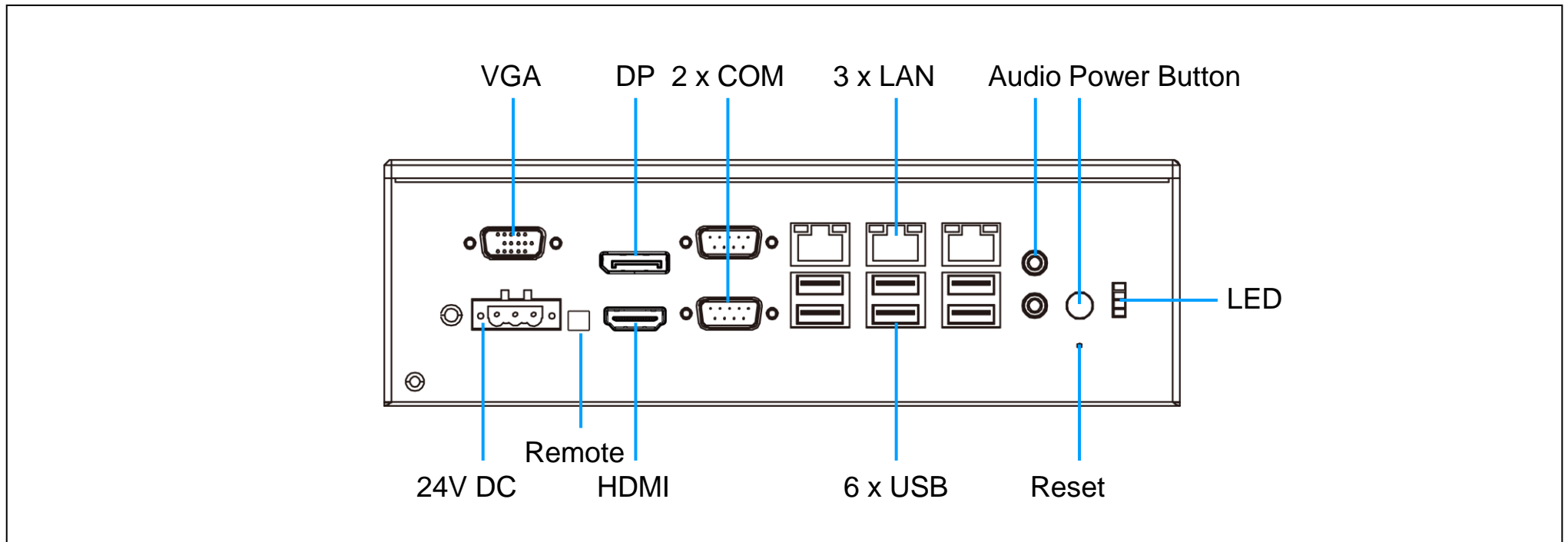
## Specifications

Item	Sub-Items	Descriptions
<b>Processor System</b>	CPU	Intel® 10th Gen Comet Lake S series Core™ Processors (i3-10100/i5-10400/i5-10500/i7-10700/i9-10900)
	TDP	65W MAX
	Socket	LGA1200
	Chipset	H420E/Q470
	BIOS	AMI 128Mbit SPI Flash
<b>Memory</b>	Sockets	Dual channel 260-PIN DDR4 SO-DIMM
	Capacity	Max. 64GB
<b>Graphics</b>	Controller	Intel UHD Graphics supports DirectX12, OpenGL 4.5 and OpenCL 2.1
	Graphic Features	3D Acceleration: Direct3D 2015, OpenGL4.5, OpenCL2.1 HW Decode: HEVC/H.265 (8/10-bit), AVC/H.264, VP9(8/10-bit),VP8, MPEG2,MJPEG,VC-1 HW Encode: HEVC/H.265 (8/10-bit), AVC/H.264, VP9(8-bit),VP8, MPEG2,MJPEG
<b>External I/O</b>	DP	1 x DP1.4 up to 4096x2304@60Hz
	HDMI	1 x HDMI1.4 up to 4096 x 2160@30 Hz
	VGA	1 x VGA up to 1920 x 1200@60Hz
	LAN	2 x Intel i210-AT GbE LAN, 1 x Intel i219-LM GbE LAN
	Serial Ports	1 x RS-232/422/485, 1 x RS-232
	USB 3.0	4 (H420E)/ 6 (Q470)
	USB 2.0	2 (H420E)/ 0 (Q470)
	Audio	1 x Line out, 1 x Mic in
	Remote	1
	LED	4 (SATA/DG/USER1/USER2)
<b>Expansion</b>	M.2 E-Key	1 x M.2 2230 support Wi-Fi6
	M.2 B-Key	1 x M.2 3052 support 4G/5G
	M.2 M-Key	1 x M.2 2280 M-Key SATA3.0
	SIM	1 x Micro SIM
<b>Power Requirement</b>	Power Type	24V DC input
	Power management	AT/ATX
	Max. Consumption	150W
<b>Others</b>	Watchdog	65536 lever, 0~65535 sec
	TPM	TPM2.0 (Optional)
<b>Physical Characteristics</b>	Construction	Aluminium Alloy
	Mounting	Wall Mounting
	Dimensions	220 x 226 x 68 mm (L x W x H)
	Weight	3.0 Kg
<b>Environment</b>	Operating Temperature	0 ~ 50°C (32~122°F)
	Storage Temperature	-40~85 °C (-40~185°F)
	Operating Relative Humidity	95% @ 40 °C(Non-Condensing)
	Non-Operating Relative Humidity	95% @ 60 °C(Non-Condensing)
<b>Certification</b>	EMC	CE, FCC
<b>OS</b>	Operation system	Windows 10/11, centos 8, ubuntu 20.04/22.04

## Dimensions



## Interface



## Ordering Information

Part Number	CPU	TDP	Max. Frequency	Core	Thread	GbE	COM	USB3.0	USB2.0	M.2	UPS	4G/5G	Wi-Fi	DC-Input
E500A-01	i3-10100	65W	4.30 GHz	4	8	3	2	4 or 6	2 or 0	3	Optional	Optional	Optional	24V DC
E500A-02	i5-10400	65W	4.30 GHz	6	12	3	2	4 or 6	2 or 0	3	Optional	Optional	Optional	24V DC
E500A-03	i5-10500	65W	4.50 GHz	6	12	3	2	4 or 6	2 or 0	3	Optional	Optional	Optional	24V DC
E500A-04	i7-10700	65W	4.80 GHz	8	16	3	2	4 or 6	2 or 0	3	Optional	Optional	Optional	24V DC
E500A-05	i9-10900	65W	5.20 GHz	10	20	3	2	4 or 6	2 or 0	3	Optional	Optional	Optional	24V DC