E610 Series Industrial PC
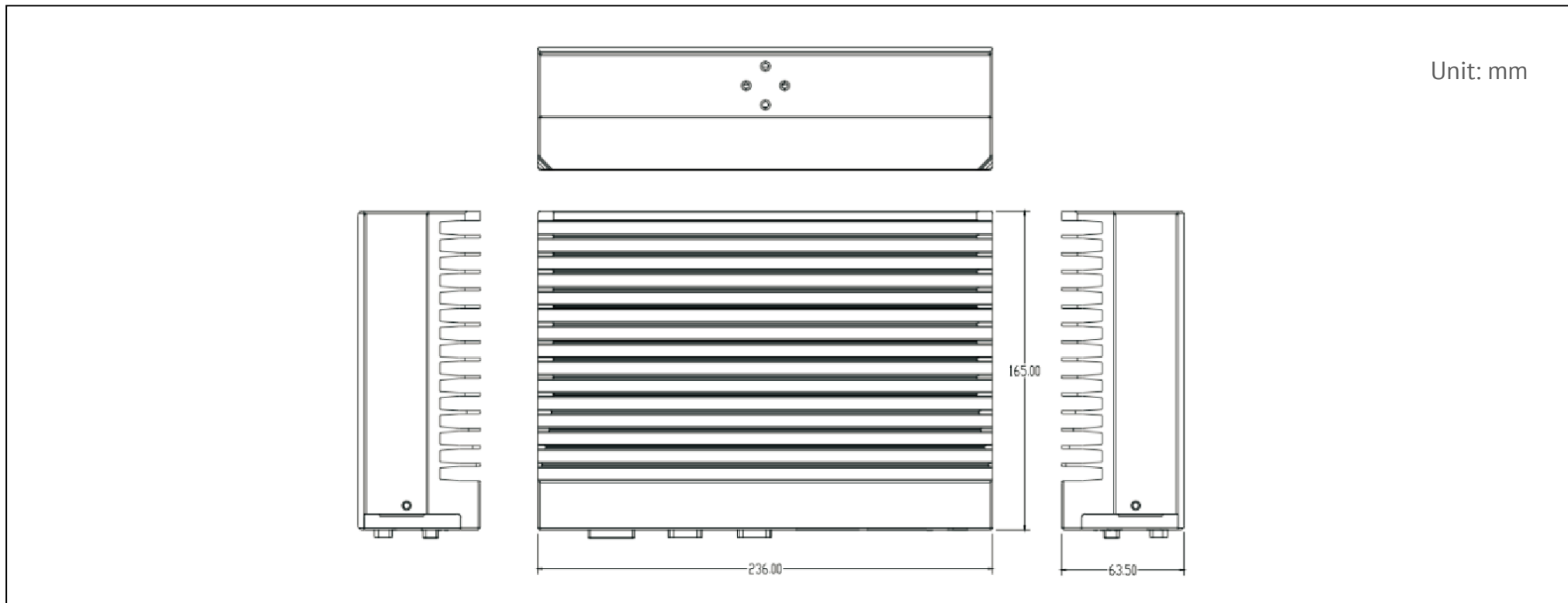
Features 产品特性

✓ Support Intel Tiger Lake-U UP3(i7-1165G7/i5-1135G7/i3-1115G4/6305E)

✓ AMI 128Mbit SPI BIOS

✓ Max. 64GB DDR4 3200MT/s SO-DIMM RAM

✓ 1 x DP, 1 x HDMI, support dual independent displays

✓ 4 x Intel i226-V GbE LAN

✓ 32 DI, 32 DO

✓ 1 x RS-232/422/485, 1 x RS-232, 4 x RS-485
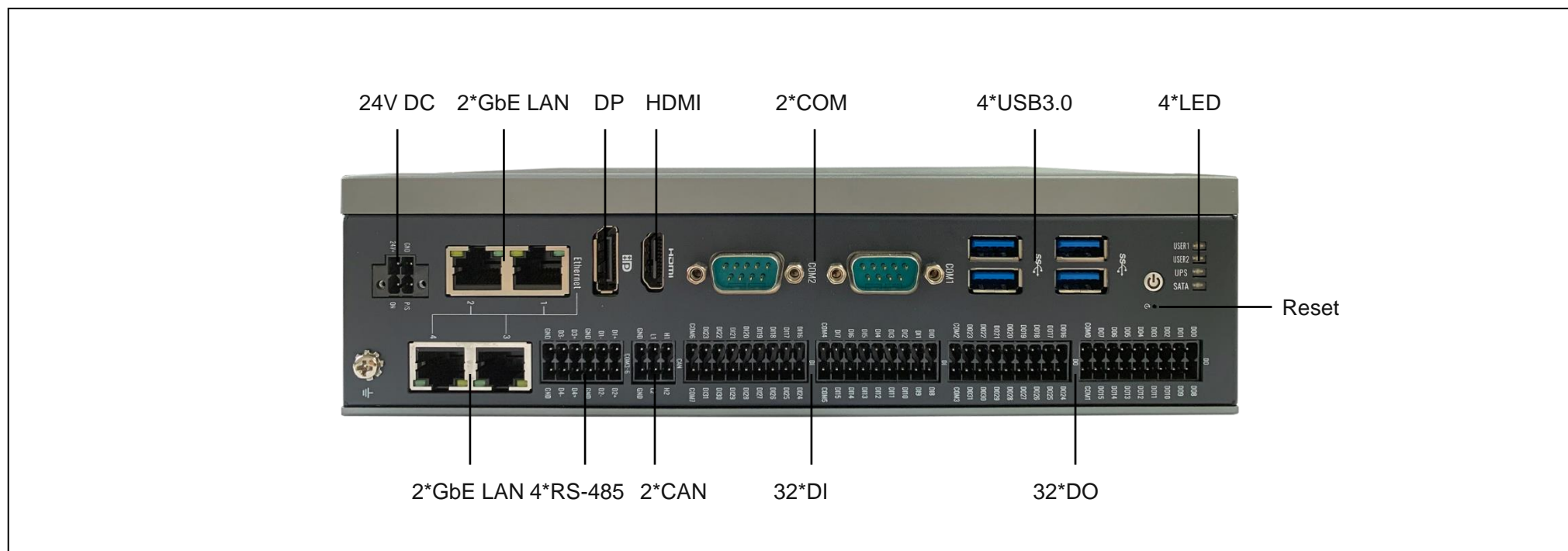
✓ 2 x CANBus

✓ Compact and fanless design

Specifications 规格信息

Item	Sub-Items	Descriptions
Processor System	CPU	Intel Tiger Lake-U UP3(i7-1165G7/i5-1135G7/i3-1115G4/6305E)
	TDP	28W MAX
	BIOS	AMI 128Mbit SPI Flash
Memory	Technology	Dual channel DDR4 3200
	Max. Capacity	64 GB
	Socket	2 x SO-DIMM
Graphics	Controller	Intel® Iris® Xe graphics, up to 96 graphics execution units(EU)
	Graphic Features	5K60 10b 4:4:4 HEVC/VP9/SCC, 8K60 12b 4:2:0 HEVC/VP9/SCC, 8K30 10b 4:2:0 AV1, 4K60 8b 4:2:0 AVC
Display	DP	1 x DP 1.4a up to 4096 x 2304 x 36 bpp @60 Hz or 5120 x 3200 x 24 bpp @60Hz
	HDMI	1 x HDMI 2.0b up to 4096 x 2304 x 24 bpp @60 Hz
External I/O	USB 3.0	4
	LED	4(SATA, USER3, USER2, USER1)
	Serial Ports	1 x RS-232/422/485, 1 x RS-232, 4 x RS-485
	Ethernet	4 x Intel i226-V
	CANBus	2 x CANBus 2.0 A/B
	DIO	32DI/32DO
Storage	SATA 3.0	1
	M.2	1 x M.2 M-Key 2280 support SSD (PCIe x4)
Expansion	M.2 E-Key	1 x M.2 E-Key 2230 support Wifi
	M.2 B-Key	1 x M.2 B-Key 3052 support 4G/5G
	Mini PCIe	1 x Mini PCIe
	SIM	1 x Nano SIM
Power requirement	Supply voltage	DC 24V
	Power management	AT/ATX
	Max. consumption	60W
	Test environment	Intel Core i7-1165GRE DDR4 32GB X2
Others	Watchdog	65536 level, 0~65535 sec
	TPM	TPM 2.0
OS	Operation system	Windows 10 64 bit, Linux
Physical Characteristics	Dimension	236 x 165 x 63.5mm (L x W x H)
Environment	Operational Temperature	0 ~ 60° C ,extend -40~85° C
	Storage Temperature	-40° C ~ 85° C(-40~185° F)
	Relative Humidity	operating 95% @ 40 ℃ (non-condensing)
	Relative Humidity	non-operating 95% @ 60 ℃ (non-condensing)
	EMC	CE, FCC

Dimensions 尺寸

Unit: mm

165.00

236.00

63.50

Interface 接口

24V DC   2*GbE LAN   DP   HDMI   2*COM   4*USB3.0   4*LED

Reset

2*GbE LAN 4*RS-485   2*CAN   32*DI   32*DO

Ordering Information 订购信息

Model	CPU	Memory	GbE	USB3.0	Serial port	DP	HDMI	CAN	DI	DO	Mini PCIe	Power Input
E610	Optional	Optional	4	4	6	1	1	2	32	32	1	24V DC

✓ CPU List

	Intel Tiger Lake-U CPUs			
CPU	i7- 1165G7	i5- 1135G7	i3- 1115G4	6305E
Max Turbo Frequency	4.70 GHz	4.20 GHz	4.10 GHz	/
Cores	4	4	2	2
Threads	8	8	4	2
TDP	Max 28W	Max 28W	Max 28W	15W
Cache	12M	8M	6M	4M