

E221 Series Industrial PC



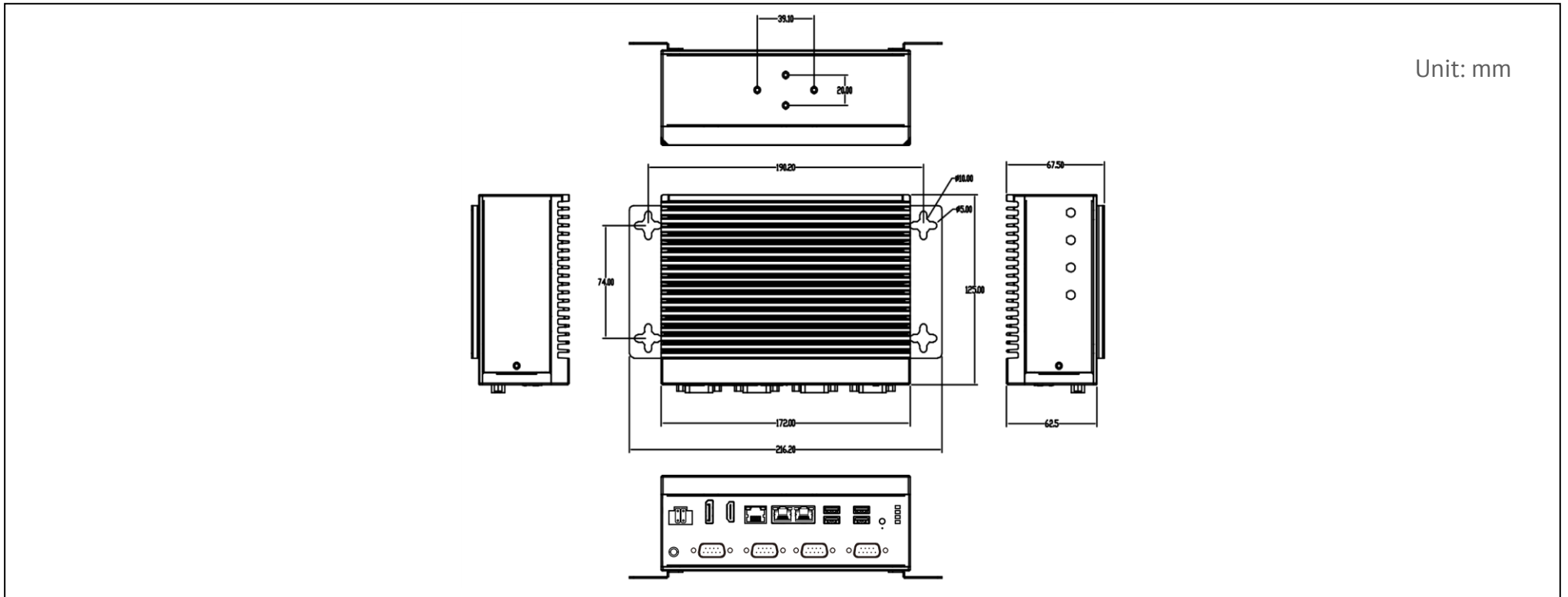
Features

- Intel® Alder Lake-N series N50/ N97/ N200/ i3-N305
- Single channel DDR5-4800 up to 16GB
- 2 independent display via DP and HDMI
- 3 LAN (2 x Intel i210-AT, 1 x Intel i226-V)
- 1 RS-232/422/485, 1 RS-232, 2 RS-232/485
- 2 USB 3.0, 2 USB 2.0
- DC 9-36V
- Support UPS, 4G or 5G, Wi-Fi expansion
- Dimensions: 172 x 125 x 62.5mm (L x W x H)
- CE/FCC Class B, ESD 8KV/15KV
- Windows 10/11, centos 8, ubuntu 20.04/22.04

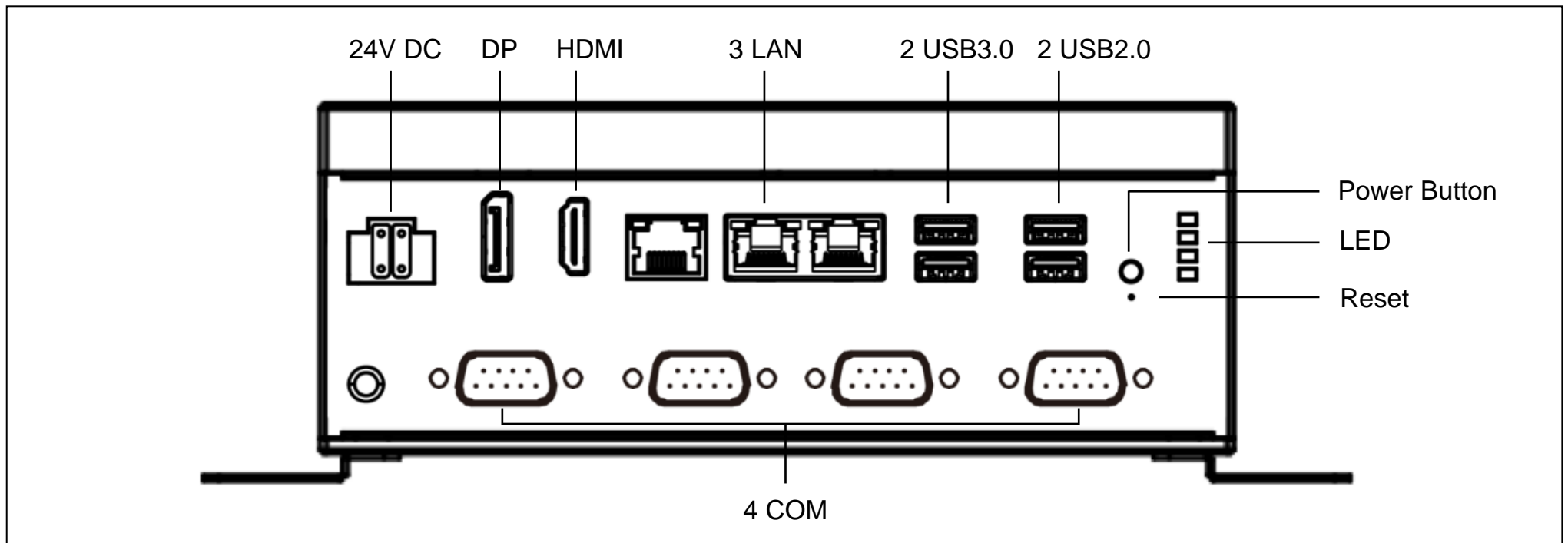
Specifications

Item	Sub-Items	Descriptions
Processor System	CPU	Intel® Alder Lake-N series N50/ N97/ N200/ i3-N305
	TDP	15W MAX
	BIOS	AMI 128Mbit SPI Flash
Memory	Technology	Single channel DDR5 4800MT/s
	Max. Capacity	16 GB
Display	Controller	Intel Gen12 UHD Graphics Engines (SoC integrated)
	Graphic Features	DX12, Open GL 4.6, Vulkan 1.2
External I/O	Ethernet	2 x Intel i210-AT GbE LAN, 1 x Intel i226-V 2.5GbE LAN
	DP	1 x DP1.4a up to 4096 x 2304@60 Hz
	HDMI	1 x HDMI2.0b up to 4Kx2K@60Hz
	Serial Port	COM1: RS-232/422/485, COM2: RS-232, COM3-4: RS-232/485
	USB	2 x USB2.0, 2 x USB3.0
	Power DC Jack	Phoenix 4pin
Expansion	M.2 E-Key	1 x M.2 2230 support CNVI
	M.2 B-Key	1 x M.2 3052 Support 4G/5G
	M.2 M-Key	1 x M.2 2280 SATA3.0
	Internal USB2.0	2 x Internal USB2.0 (Pin out), 1 x USB2.0 Type-A
	SIM	1 x Nano SIM
LED	LED Lights	Power status, HDD R/W, USER1, USER2
Power	Supply Voltage	DC 9-36V ± 10%
	Max. Consumption	Max 60W
	Power Management	AT/ATX
Feature	Watch Dog	65536 lever, 0-65535 sec
	TPM	TPM 2.0 (Optional)
Environment	Operational Temperature	0 ~ 60 °C (32~140°F)
	Storage Temperature	-40° C ~ 85° C (-40~185°F)
	Relative Humidity (Operating)	95% @ 40 °C (non-condensing)
	Relative Humidity (Storage)	95% @ 60 °C (non-condensing)
Physical Characteristics	Dimensions	172 x 125 x 62.5mm (L x W x H)
	Installation	Wall-mounting/Din Rail
Certification	EMC	CE, FCC
OS Support	OS Support	Windows 10/11, centos 8, ubuntu 20.04/22.04

Dimensions



Interface



Ordering Information

Part Number	CPU	TDP	Max. Frequency	Core	Thread	LAN	USB 3.0	USB 2.0	COM	UPS	4G/5G	Wi-Fi
E221-01	N50	6W	3.40 GHz	2	/	3	2	2	4	Optional	Optional	Optional
E221-02	N97	12W	3.60 GHz	4	/	3	2	2	4	Optional	Optional	Optional
E221-03	N200	6W	3.70 GHz	4	4	3	2	2	4	Optional	Optional	Optional
E221-04	i3-N305	15W	3.80GHz	8	8	3	2	2	4	Optional	Optional	Optional