

E7201 Series

Product Features

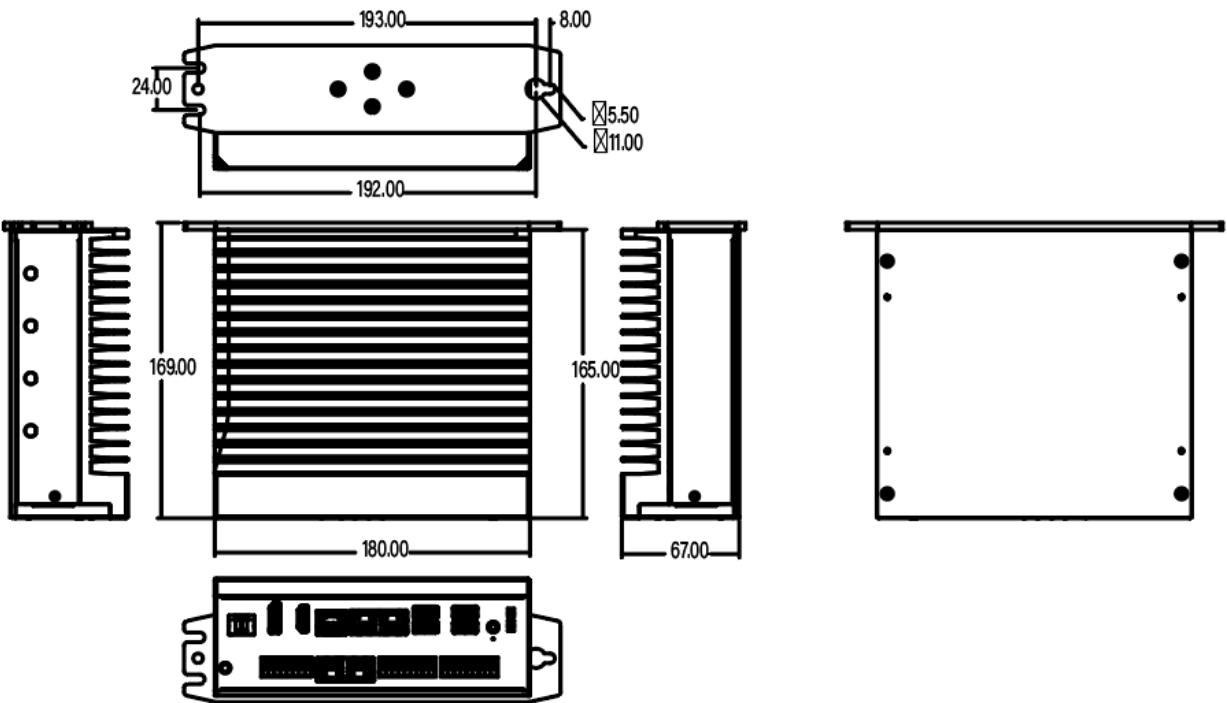
- Intel® Alder Lake-N series N97, i3-N305 CPU
- Single-channel DDR4/5, up to 16GB
- Dual Display: DP, HDMI
- 5 LAN (4 x Intel i210, 1 x Realtek RTL8111H)
- 3 USB 3.0, 1 USB 2.0
- 1 x RS-232/RS-485/422, 1 x RS-232, 2 x RS-485
- 8DI 8DO (Low speed 10K), 8DI 8DO (High speed 200K)
- Supports 4G/5G, WiFi wireless communication module expansion
- DC 9~36V, supports UPS modules
- CE/FCC Class B, ESD 8KV/15KV
- Modular, cable-free high-reliability design
- 180 x 165 x 67mm (L x W x H), supports wall mounting/back mounting/rail mounting
- Windows 10/11, CentOS 8, Ubuntu 20.04/22.04



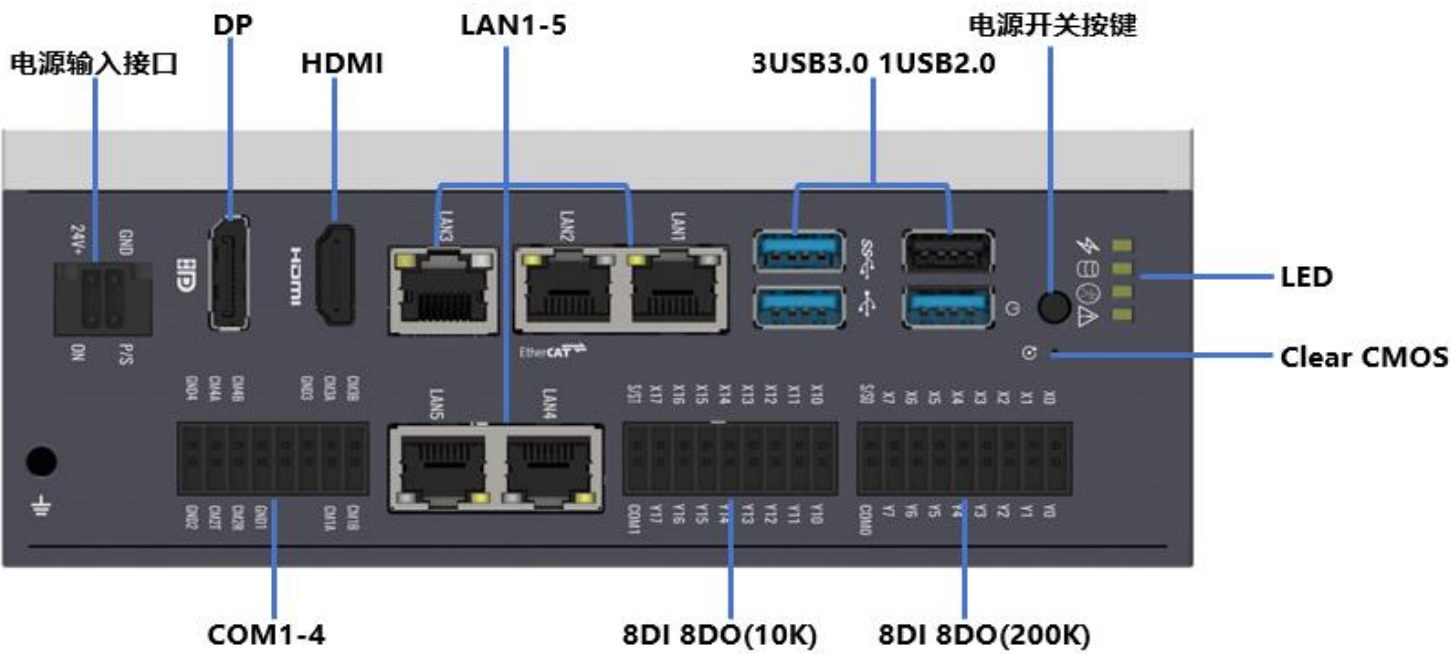
Specification

Attribute		Describe
Processor system	CPU	Intel® Alder Lake-N N97、i3-N305
	TDP	Up to 150,000W
	BIOS	AMI 128Mbit SPI Flash
Memory	Technology	Single-channel DDR4/5 SO-DIMM
	Maximum capacity	16GB
Display	Controller	Intel Gen12 UHD Graphics Engines (SoC Integrated)
	Features	DX12, OpenGL 4.6, Vulkan 1.2
External interface	DP	1 x DP1.4a resolution up to 4096 x 2304@60Hz
	HDMI	1 HDMI2.0b resolution up to 4Kx2K@60Hz
	Ethernet	4 x Intel i210 GbE LAN, 1 x Realtek RTL8111H GbE LAN
	Serial port	COM1: RS-232/RS-485/422 (BIOS option switching), COM2: RS-232, COM3-4: RS-485
	USB	3 x USB 3.0, 1 x USB 2.0
	DO DI	8DI 8DO(Low Speed), 8DI 8DO(High Speed)
Internal API	USB 2.0	1 x Internal USB 2.0 (Pin), 1 x Internal USB 2.0 TYPE A
	SIM	1 x Nano SIM
	M.2 E-Key	1 x M.2 2230 with WIFI support (CNVI protocol supported)
	M.2 B-Key	1 x M.2 3042/3052 supporting 4G/5G
	M.2 M-Key	1 x M.2 2280 SATA3.0
	UPS	1 x UPS
LED and switch	LED indicator light	Power light, Hard disk light, User-defined light 1, User-defined light 2
	Power switch button	1 x Power switch button
	CMOS Clear Button	1 x Clear CMOS button
Other	Watchdog	Interrupt, system restart, programmable 1~255 min/sec
	TPM	TPM 2.0 (Optional)
Power	Voltage input	DC 9-36V ± 5%
	Power management	AT/ATX
	Maximum power consumption	30W (N97) /45W (i3-N305)
Environmental parameters	Operating temperature	0~ 60° C (32~140°F)
	Storage temperature	-40° C ~ 85° C (-40~185°F)
	Work humidity	95% @ 40 °C (non-condensing)
	Storage humidity	95% @ 60 °C (non-vaporizing)
Physical characteristics	Size	180 x 165 x 67mm (L x W x H)
	Weight	2.0 kg
	Installation method	Wall-mounted/Back-mounted/Rail-mounted
Certification	EMC	CE, FCC
Operating system	Operating System	Windows 10/11, CentOS 8, Ubuntu 20.04/22.04

Dimension



Interface



Order information

Model	CPU	TDP	Turbo Boost	Core	Thread	LAN	USB 3.0	USB 2.0	COM	DO DI	Power
E7201-01	N97	12W	3.60 GHz	4	/	5	3	1	4	16DI 16DO	9~36V DC
E7201-02	i3-N305	15W	3.80 GHz	8	8	5	3	1	4	16DI 16DO	9~36V DC

Optional accessories

Part number	Describe
MF0A000000000057	M.2 2230 CNVi WiFi5 2.4G/5G 2x2 WIFI+BT module
MF0A000000000078	M.2 2230 CNVi WiFi6 2.4G/5G 2x2 WIFI+BT Module
MF0A000000000016	5G module, M.2 RM500Q-GL Sub-6 GHz Global (excluding the United States)
MF0A000000000042	5G LTE Module, M.2 RM520NGLAA-M20-SGASA, Global Version
MF0A000000000036	4G LTE Module, M.2 EM05CEFC-128-SGAS, Domestic Version
MF0A000000000066	5G LTE Module M.2 RM500UCNVAA-D10-SNADA EMEA, Asia-Pacific
82UPS000000000002	Built-in UPS assembly module
MC0A000000000025	Guide rail clip (25mm*80mm)

Optional OS

Part number	Describe
AA0A000000000002	Win10 IoT Ent 2019 LTSC Entry OEM
AA0A000000000003	Win10 IoT Enterprise 2019 LTSC MultiLang ESD OEI High End
AA0A000000000004	Win10 IoT Enterprise 2019 LTSC MultiLang ESD OEI Value
AA0A000000000005	Win10 IoT Enterprise 2021 LTSC Multilang ESD OEI Entry
A087	Windows 11
A088	CentOS 8
A049	ubuntu 20.04 (E7201)
A053	ubuntu 22.04 (E7201)

Packing list

Part number	Describe	Quantity
-	E7201 Series Fanless Industrial Computer	1
KE0A000000000004	Hexagonal socket head screw, M3*5MM, head diameter 6mm	6
ZM0A000000000020	Three-prong power cord, national standard	1
ZM0A000000000058	24V 2.5A power adapter with 4-position Phoenix terminals	1
MC0A000000000019	Wall mounting kit (100*37*1mm)	1