

E727 Series

Intel® Alder Lake N N97/i3-N305 Series Ultra-compact fanless industrial computer

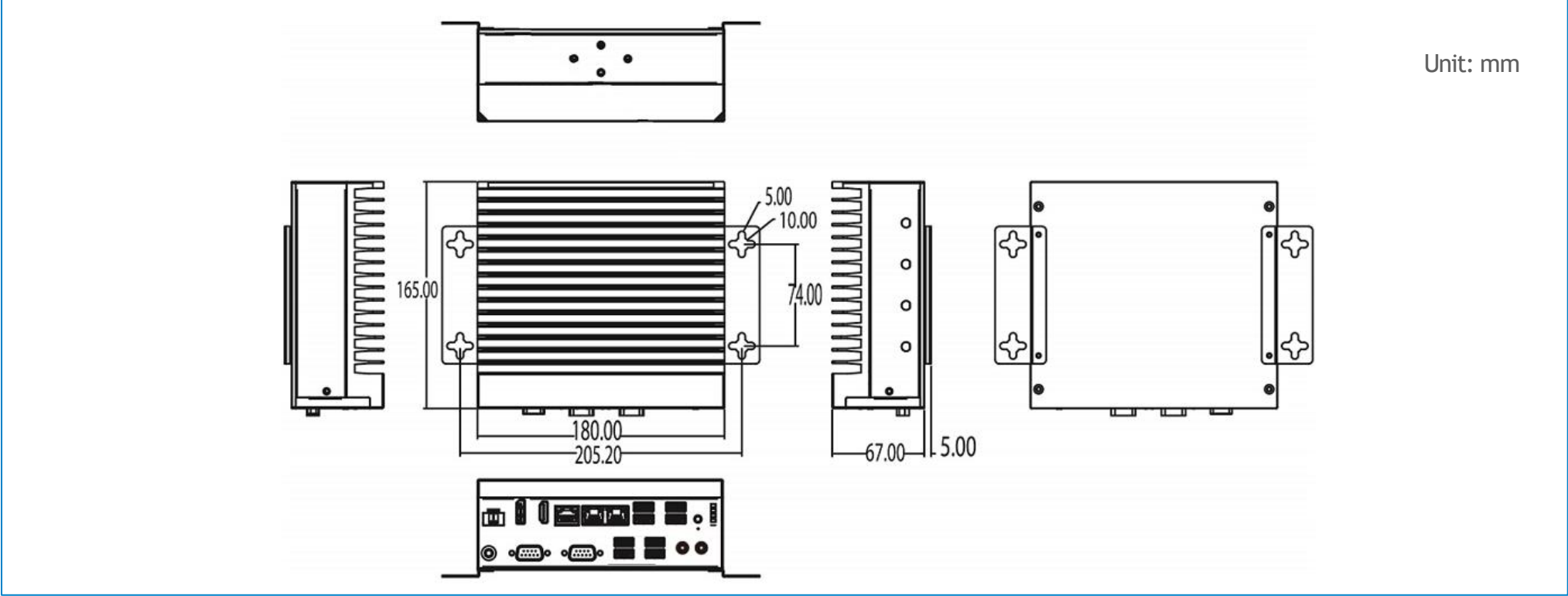
Product Features

- Intel® Alder Lake-N N97/i3-N305
- Single channel DDR4/5 up to 16GB
- Dual independent display via DP and HDMI
- 3 LAN (2 x Intel i210, 1 x Realtek RTL8111H)
- 7 USB 3.0, 1 USB 2.0
- 1 RS-232/422/485, 1 RS-232
- Support 4G/5G, Wi-Fi module expansion
- DC 9~36V, UPS module (optional)
- CE/FCC Class B, ESD 8KV/15KV
- 180 x 165 x 67mm (L x W x H), support Wall-mounting/ Back-mounting/ Din Rail installation
- Windows 10/11, centos 8, ubuntu 20.04/22.04

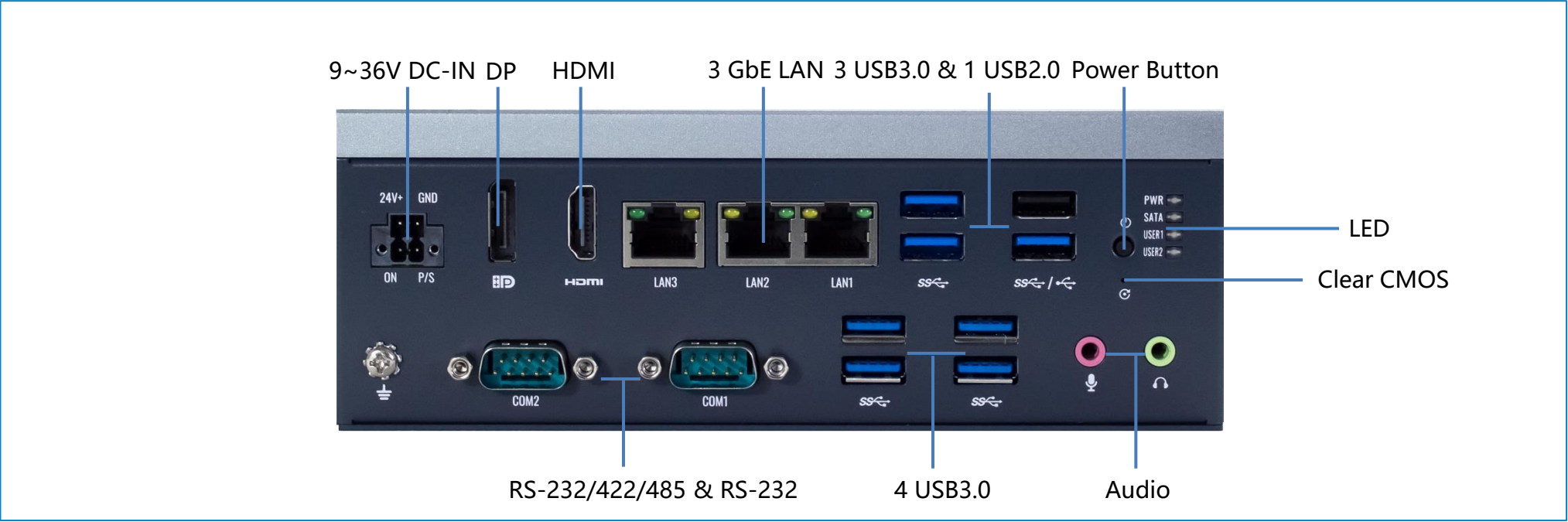
Specification

Item		Description
Processor System	CPU	Intel® Alder Lake-N N97/ i3-N305
	TDP	15W MAX
	BIOS	AMI 128Mbit SPI Flash
Memory	Technology	Single channel DDR4/5 SO-DIMM
	Max Capacity	16GB
Graphics	Controller	Intel Gen12 Graphics Engines (SoC integrated)
	Feature	DX12, Open GL 4.6, Vulkan 1.2
External I/O	DP	1 x DP 1.4 resolution up to 4096 x 2304 @ 60Hz
	HDMI	1 x HDMI 2.0b resolution up to 4K x 2K @60Hz
	Ethernet	2 x Intel i210 GbE LAN, 1 x Realtek RTL8111H GbE LAN
	USB	7 x USB 3.0, 1 x USB2.0
	Serial Port	1 x RS-232/422/485, 1 x RS-232
LED & Switch	LED Indicator	4 (Power, SATA, User 1, User 2)
	Power Button	1 x Power Button
	Clear CMOS Button	1 x Clear CMOS Button
Internal I/O	M.2 B-Key	1 x M.2 B-Key 3042/3052 support 4G/5G
	M.2 E-Key	1 x M.2 E-Key 2230 support Wi-Fi (CNVI)
	M.2 M-Key	1 x M.2 M-Key 2280 SATA3.0
	USB 2.0	1 x internal USB2.0 (PIN-Out), 1 x internal USB 2.0 Type-A
	SIM	1 x Nano SIM
Power Supply	Power Input	DC 9~36V
	Power management	AT/ATX
	Max. consumption	60W
Others	Watchdog	Interrupt, system reset, programmable1~255 min/sec
	TPM	TPM 2.0 (Optional)
Physical Characteristics	Dimension	180 x 165 x 67mm (L x W x H)
	Weight	2.0 kg
	Installation	Wall-mounting/ Back-mounting/ Din Rail
Environment	Operating Temperature	0 ~ 60 °C (32~140°F)
	Storage Temperature	-40° C ~ 85° C (-40~185°F)
	Operating Humidity	95% @ 40 °C (Non-condensing)
	Storage Humidity	95% @ 60 °C (Non-condensing)
Certification	EMC	CE, FCC
Operation System	OS	Windows 10/11, centos 8, ubuntu 20.04/22.04

Dimension



Interfaces



Ordering Information

Model	CPU	Turbo Frequency	TDP	Core/Thread	LAN	COM	USB3.0	USB2.0	DP	HDMI	Power Input
E727-01	N97	3.60 GHz	12W	4C	3	2	7	1	1	1	9~36V DC
E727-02	i3-N305	3.80 GHz	15W	8C/8T	3	2	7	1	1	1	9~36V DC

Optional Accessories

Part Number	Description
MF0A000000000057	WIFI+BT module, M.2 2230 CNVi WiFi5 2.4G/5G 2x2
MF0A000000000078	WIFI+BT module, M.2 2230 CNVi WiFi6 2.4G/5G 2x2
MF0A000000000016	5G module, M.2 RM500Q-GL Sub-6 GHz Worldwide (Excluding US)
MF0A000000000042	5G LTE module, M.2 RM520NGLAA-M20-SGASA, Worldwide
MF0A000000000036	4G LTE module, M.2 EM05CEFC-128-SGAS, China
MF0A000000000066	5G LTE module, M.2 RM500UCNVAA-D10-SNADA EMEA, Asia-Pacific
82UPS000000000002	Internal UPS module
81RXE5X00POEV0101	POE Module, Supports 2-port PoE power supply
-	Din Rail Clip

OS Support

Part Number	Description
AA0A0000000000002	Win10 IoT Ent 2019 LTSC Entry OEM
AA0A0000000000003	Win10 IoT Ent 2019 LTSC MultiLang ESD OEI High End
AA0A0000000000004	Win10 IoT Ent 2019 LTSC MultiLang ESD OEI Value
AA0A0000000000005	Win10 IoT Ent 2021 LTSC Multilang ESD OEI Entry
A087	Win 11
A088	centos 8
A049	ubuntu 20.04 (E727)
A053	ubuntu 22.04 (E727)

Packing List

Part Number	Description	Quantity
-	E727 Series Industrial PC	1
KE0A0000000000004	Round head screws	6
ZM0A0000000000020	Three-plug power cord	1
ZM0A0000000000058	24V 2.5A power adapter with 4 PIN terminal	1
MC0A0000000000019	Wall-mounting kits (100*37*1mm)	1