

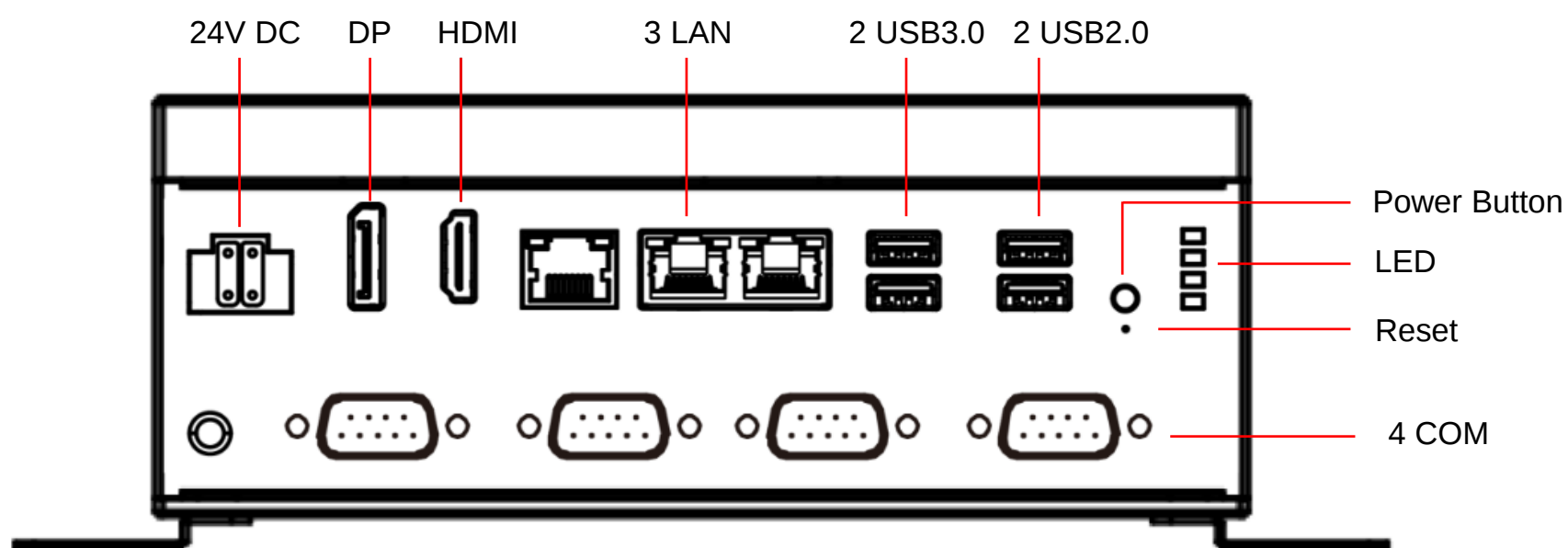
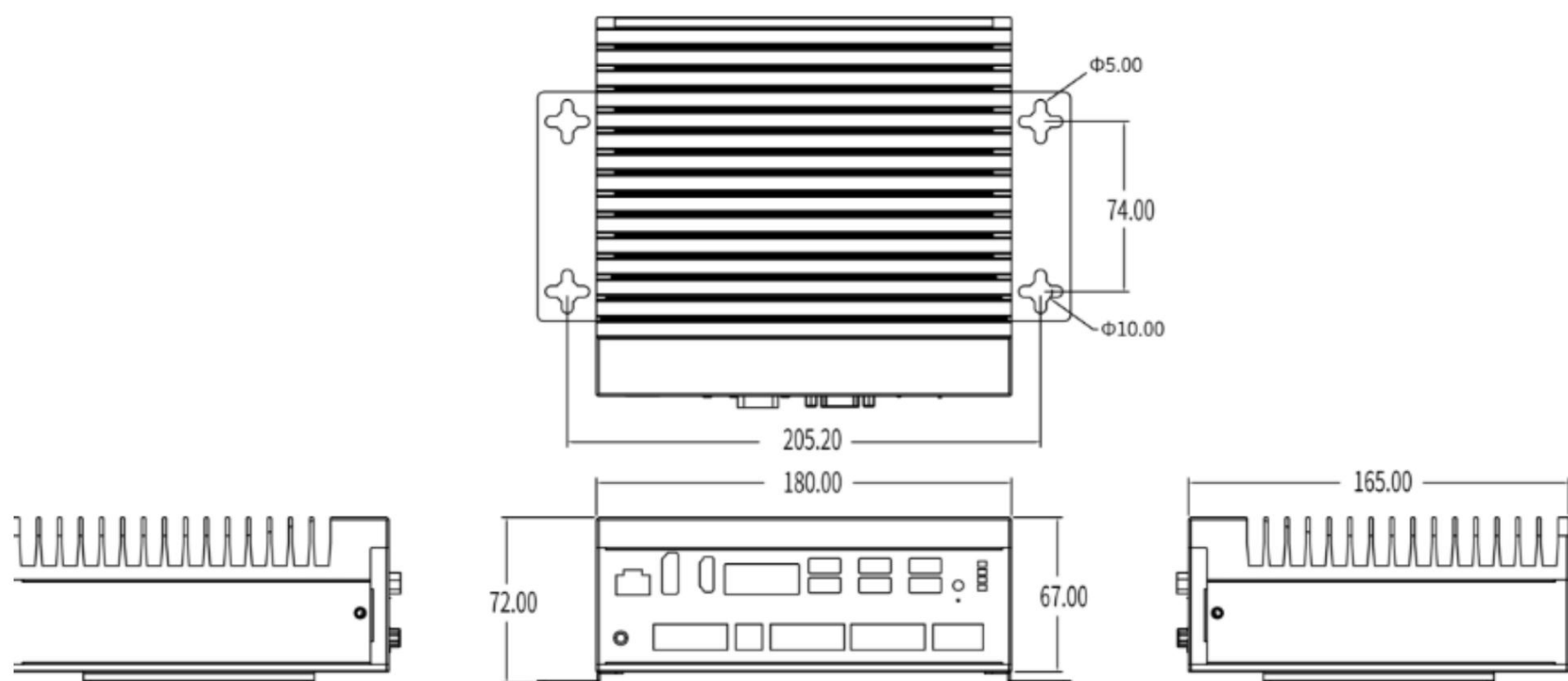
HS-ALN3L4CH



- 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 x LAN (2 x Intel i210-AT, 1 x Intel i226-V)
- 1xRS-232/422/485, 1xRS-232, 2xRS-232/485
- 3xUSB 3.0, 1xUSB 2.0
- DC 9-36V
- Support UPS, 4G or 5G, Wi-Fi expansion
- 180x165x67mmmm (L x W x H)
- CE/FCC Class B, ESD 8KV/15KV
- Windows 10/11, centos 8, ubuntu 20.04/22.04



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	16GB
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 4K x 2K@60Hz
	Serial Port	COM1: RS232/422/485, COM2: RS232, COM3~4: RS232/485
	USB	1 xUSB2.0, 3 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	1x 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	OperationalTemperature	-20 ~ 60℃ ,extend -40~85℃
	Storage Temperature	-40℃ ~ 85℃(-40~185°F)
	Relative Humidity (Operating)	95% @ 40 °C (non-condensing)
	Relative Humidity(Storage)	95% @ 60 °C (non-condensing)
Physical Characteristics	Dimensions	180x165x67mm (Lx Wx H)
	Installation	Wall-mounting/Din Rail
Certification	EMC	CE, FCC,3C
OS Support	OS Support	Windows 10/11, centos 8, ubuntu 20.04/22.04



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