AIMC-200

Front Access Fan-less Micro Computer, Intel® Alder Lake-N N97 & i3-N305 processor SoC with 2 HDMIs, 6 COMs, 6 USBs



Features

- Intel® Alder Lake-N N97 & i3-N305 processor
- Supports iDoor technology with sufficient IO port
- 2 x GbE, 2 x USB3.2, 4 x USB2.0, 1 x RS232/422/485, 5 x RS485, 2 x HDMI
- Compact size with fanless design
- Optional 4G/GPS/GPRS/Wi-Fi communication
- Terminal block for wiring capability
- Support Win11 IoT and Ubuntu 22.04

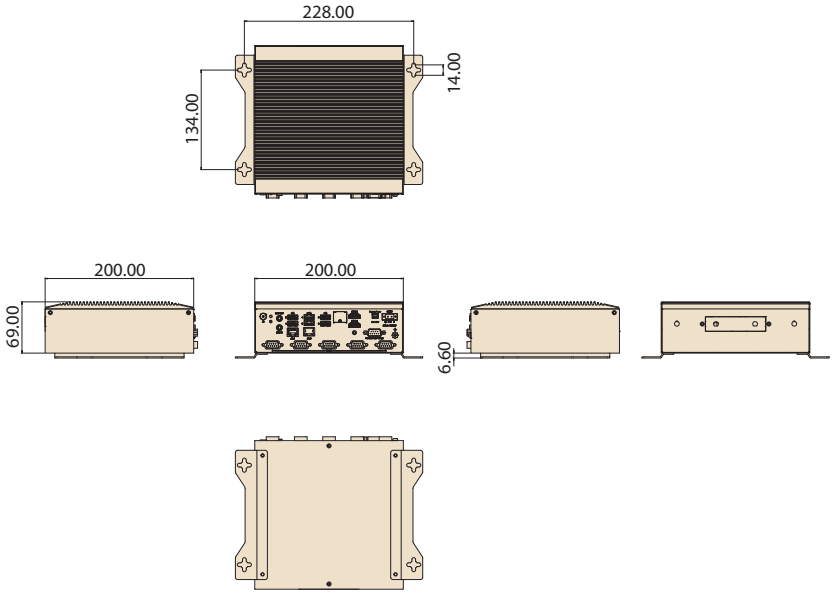
Specifications

Processor System	CPU	Intel N97 / i3-N305	
	Core	4 / 8	
	Base Frequency	3.6 GHz / 3.8 GHz	
	L2 Cache	6 MB	
	BIOS	AMI 256Mb SPI Flash	
Memory	Technology	DDR5 4800 MHz (1 slot, Non ECC)	
	Max. Capacity	16 GB	
	Socket	1 x 262-pin SODIMM	
Graphics	Chipset Integrated	Integrated Intel UHD Graphics	
Expansion slot	M.2	1, 3042/3052/2242 B-key 1, 2230 E-Key	
Ethernet	Interface	10/100/1000 Mbps	
	Controller	2 x Realtek 8111K	
Drive bay	2.5" HDD (internal)	2	
I/O Interface	Display	2 x HDMI	
	USB	2 USB 3.2 Gen 2 + 4 USB 2.0	
	Serial	1 RS-232/422/485, 5 RS-232	
	Audio	Line in, Line out with 6W amplifier	
	DC jack	1, Phoenix 2 pin	
Power Supply	Connector Type	Phoenix 2 pin connector	
	Input Voltage	DC 12 - 24 V	
	Power consumption	Typical: 15.84W Max: 32.83W	
Miscellaneous	LED Indicators	HDD	
	Control	Power on/off switch	
Environment		Operating	Non-operating
	Temperature	-20 ~ 60° C	-40 ~ 85° C
	Humidity	95% @ 40° C, non-condensing	95% @ 60° C, non-condensing
	Vibration	SSD: 3G, random 5~500Hz, 3 axes, 1 hr/axis HHD: 0.5G, random 5~500Hz, 3 axes, 1 hr/axis	
	Shock	20G, half sine wave, 11 ms duration	50G, half sine wave, 11 ms duration
	EMC	CE/FCC, CCC, BSMI	
	Safety	CCC, LVD	
Physical Characteristics	Dimension (W x H x D)	200 x 69 x 200 mm	
	Weight	1.8 kg (3.97 lbs)	

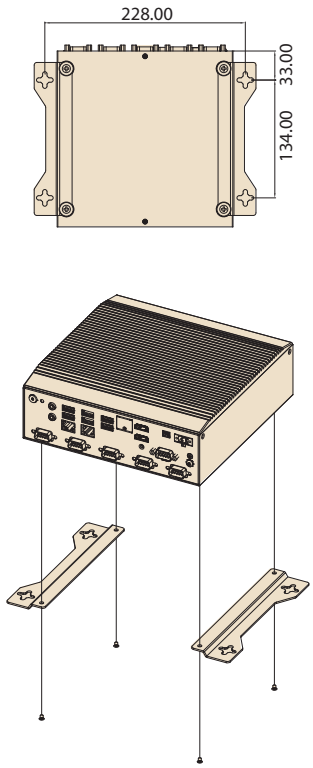
All product specifications are subject to change without notice.

Dimensions

Unit: mm [inch]



Installation



Ordering Information

Part No.	CPU	HDMI	SO-DIMM	USB 3.2/2.0	GbE	COM	M.2 E Key	M.2 B Key
AIMC-200-N0A1	N97	2	1	2/4	2	1 x RS-232/422/485 5 x RS-232	1	1
AIMC-200-I0A1	I3-N305	2	1	2/4	2	1 x RS-232/422/485 5 x RS-232	1	1

Optional Accessories

Part Number	Description
96PSA-A60W12P2-3	Adapter A/D 100-240V 60W 12V TERMINAL BLOCK 2PIN
PCA-TPMSPI-00A1	TPM 2.0 Module by SPI for CPU cards
9891P383000	ASS'Y M.2 B to E key 3052 converter board
AIW-357DK-G1P	5G Sub6+GNSS M.2 3052 Key B, PCIe
AIW-166K3	Qualcomm Wi-Fi6E industrial

Front View

