

# CB-2200/2250

## Modular Embedded Computers with Intel® Alder Lake-N Processor



### Applications

- Factory Automation
- Access Control
- Self-Service Kiosk
- Rugged Embedded
- IoT Gateway

### Features

- Cable-free and Jumper-less Design to Enhance Reliability
- Supports 2 x DP 1.4a (Included 1 output from Type-C)
- Built-in Power Protection (OVP/OCP/RVP)
- 1 x External Clear CMOS Switch and 1 x Removable CMOS Battery
- 9~48V DC Input with Power Ignition Control
- -40 °C to 70 °C Operating Temperature

### Ordering Information

Part No.	Description
CB-2200	Intel® Processor N97, 2 x 2.5GbE, 1 x DP 1.4a, 2 x RS232/422/485, 3 x USB3.2 Type-A, 1 x USB3.2 Type-C (colay DP 1.4a), 1 x USB2.0 Type-A, GPIO, 1 x Removable 2.5" HDD Bay, 9~48VDC
CB-2250	Intel® Core™ i3-N305, 2 x 2.5GbE, 1 x DP 1.4a, 2 x RS232/422/485, 3 x USB3.2 Type-A, 1 x USB3.2 Type-C (colay DP 1.4a), 1 x USB2.0 Type-A, GPIO, 1 x Removable 2.5" HDD Bay, 9~48VDC

### Packing List

Description
1 x CB-2200/2250 Series
1 x Wall Mount Kit

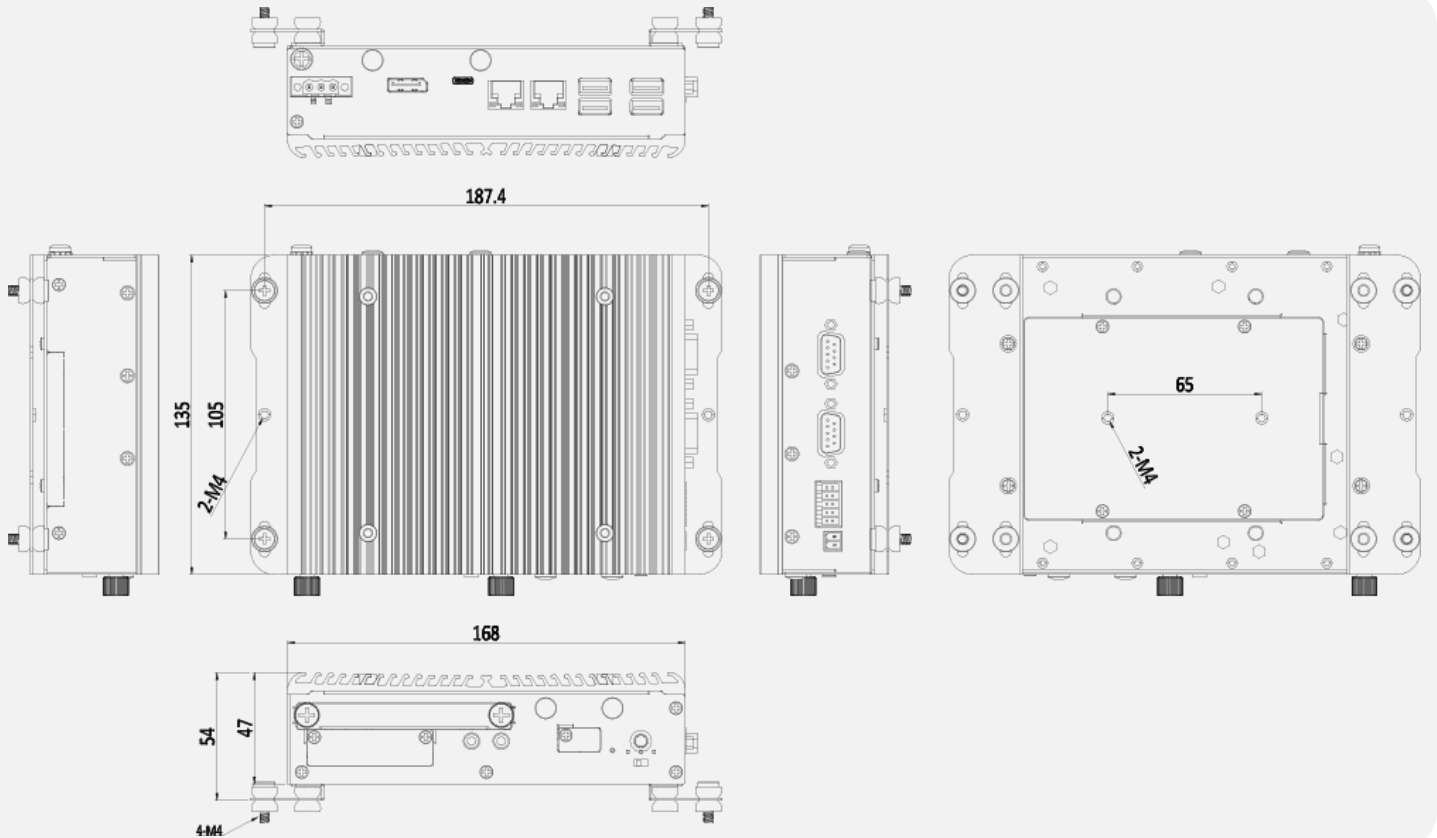
### Optional Items

Part No.	Description
EA-AWD-4G003xxxx-0011	4G (LTE) EG25-G + 2 Antennas, Full Size (for Global)
EA-AWD-WF003x01x1-0011	Wi-Fi 802.11 a/b/g/n/ac/BT4.0 (2T2R) + 2 Antennas (Dual Band), Half Size
EA-PS-60W12VTB3xx-0111	Adapter AC/DC 12V 5A 60W with 3-pin Terminal Block Plug 5.0mm Pitch
27-x301000003-CA	Power Cord, 3-pin US Type, 180 cm
27-x301010005-CA	Power Cord, 3-pin EU Type, 180 cm
40-0740000000-10	DIN-RAIL Mount Kit

## Specifications

Model		CB-2200	CB-2250
Processor System	CPU	Intel® Alder Lake-N Processor N97	Intel® Alder Lake Core™ i3-N305
	Frequency	up to 3.60GHz	up to 3.80GHz
	Chipset	SoC	
	BIOS	AMI 256Mbit	
	TPM	TPM 2.0	
Memory	Technology	Single Channel DDR5 5600MHz	
	Max. Capacity	Support up to 16GB	
	Type	1 x 262-pin SO-DIMM	
Display	Graphics Engine	Intel® HD Graphics	
	Multiple Display	2	
	DP	2 x DisplayPort 1.4a, Max Resolution 4096 x 2160 (Included 1 output from Type-C)	
I/O Interface	USB	3 x USB3.2 (Gen2) Type-A 1 x USB3.2 (Gen2) Type-C (Supports DP 1.4a display output) 1 x USB2.0 Type-A	
	Serial Port	2 x RS232/422/485	
	Ethernet	2 x 2.5GbE Intel® I226-IT, RJ45	
	Audio	1 x Line-out, 1 x Mic-in	
	GPIO / DIO	Isolated DI x 4 and Isolated DO x 4, 2 x 5-pin Terminal Block	
	CMOS Battery	1 x External Clear CMOS Switch and 1 x Removable CMOS Battery	
	Antenna Hole	4	
	Flexible I/O Window	0	
Storage	2.5" HDD / SSD	1 x Removable 2.5" SATA HDD Bay	
Expansion	Mini PCIe	1 x Full-Size Mini-PCIe (PCIe, USB2.0 and SIM)	
	M.2	1 x M.2 B key 2230/2242/2280 (PCIe SATA, USB3.0 and SIM)	
	SIM Holder	2 x SIM Holders	
Power	Power Mode	AT/ATX	
	Power Supply Voltage	9~48V DC Input with Power Ignition Control	
	Power Connector Type	1 x DC Power Connector, 1 x 3-pin Terminal Block	
	Power Adapter	AC/DC, 12V/5A 60W	
	Car mode	1 x PC/Car Mode Switch 1 x Delay Time Switch	
Environment	Operating Temperature	-40C ~ 70°C	
	Storage Temperature	-40C ~ 80°C	
	Humidity	10% ~ 90% (Non-condensing)	
	Vibration	IEC 60068-2-64: 5Grms, random, 5~500 Hz, 1hr/axis	
	Shock	IEC 60068-2-27: 50G, half-sine, 11ms duration	
	Certification	CE/FCC Class A	
General	Thermal Dissipation	Fanless System	
	Material	Extruded Aluminum with Heavy Duty Metal	
	Mounting	Wall Mounting	
	Dimensions (W x D x H)	168 x 135 x 47mm	
	Net Weight	1.23kg	
	Operating System	Windows 10 IoT, Windows 11 (IoT/Professional), Linux	

## Dimensions



## Viewing



1 x Removable HDD

1 x External Clear CMOS Switch and  
1 x Removable CMOS Battery

1 x USB3.2 Type-C,  
Supports DisplayPort output

2 x 2.5GbE Intel® I226-IT

3 x USB3.2 (Gen2) and  
1 x USB2.0 Type-A

1 x DP

