

AIS-2N00 Series

Embedded Fanless Box PC with Intel Celeron Quad-Core Baytrail J1900 CPU, 4x LAN, HDMI 6COM, USB3/3USB2, Expansion I/O, DC-Input



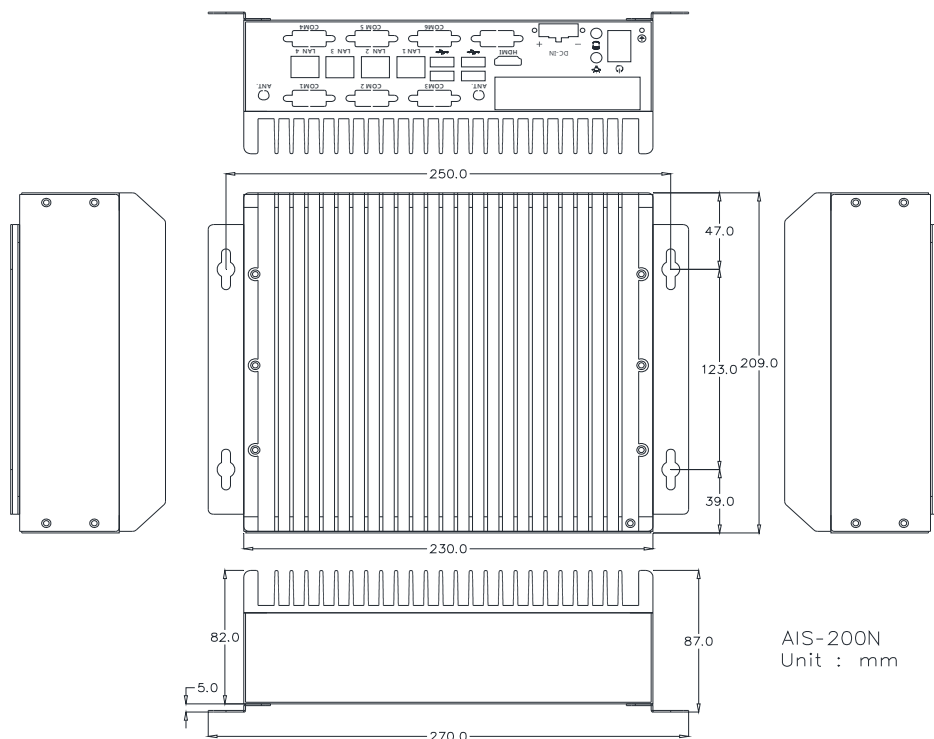
Features

- Intel Quad-Core Celeron 2.0GHz Baytrail J1900 CPU
- Supports DDR3L 2xSO-DIMM, up to 8GB System Memory
- 4x LAN (only 4th LAN supports POE by option)
- Optional expansion features by Advantech iDoor modules
- Easy maintenance with one 2.5" space HDD plate
- 12V DC input (option DC 12V 60W power adapter)
- 0°C ~ 60°C harsh operation environment

Specifications

AIS-2N00 Series Key Features		AIS-2N00-C3N4	AIS-2N00-C3NP
Processor System	CPU	Celeron J1900 2.0GHz	
	Core Number & Cache	Quad core, 2MB Cache	
	TDP	10W	
	BIOS	AMI UEFI	
Expansion Slot	Mini-PCIe	1 x full-size	
	M.2 (KEY M)	1 x M.2 (KEY M, 2242/2260/2280) with SATA3 for SSD	
	M.2 (KEY M)	1 x M.2 (KEY M, 2260) with PCIe1	
Memory	Specification	2-Ch DDR3L 1333 MHz	
	System Memory Capacity	2 x SO-DIMM, up to 8GB	
Graphics	Engine	Intel Gen7 Intel Graphics DX 11, OGL 3.2	
	HDMI	1 x HDMI, supports max resolution up to 1920x1200@60Hz	
Ethernet	Gigabit Controller	2 x Intel I2101T, 2 x Realtek RTL811191	
	Connector	4 x RJ-45	
	POE	N/A	4th LAN (LAN4 supports POE)
SATA	SATA 2	1 x SATA2	
System Rear I/O	HDMI	1 x HDMI	
	Ethernet	4 x RJ45	
	USB Type-A	1 x USB 3.1, 3 x USB 2.0	
	Expansion iDoor	1 x iDoor opening to select suitable Advantech iDoor Modules	
	Serial COM	3x DB-9(COM1/2 are RS-232/422/485, COM3 is RS-232)	
	Power Switch	1x Power soft switch to turn-on and turn-off system	
	Power LED	1x LED for system power status	
	HDD LED	1x LED for HDD data access status	
	System Power Input	1 x 2-Pin terminal block	
System Storage	HDD Driver Bay	1 x HDD plate for one 2.5" HDD	
Optional Features on Rear I/O and Others	Expansion iDoor	1 x Advantech iDoor Module as PCM-27D24DI-AE, Iso. Digital, 16DI/8DO, mPCIe	
	GPIO	4 x GPI + 4 x GPO (by ODM inquiry on rear I/O)	
	COM3/COM4/COM6	3 x DB9 RS-232 options	
	Speaker out	1 x DB9 with two 2-pin connectors for speaker R/L output	
	LVDS and Backlight	By ODM inquiry to add on Expansion iDoor	
Operation System	Windows 10	Win 10 IOT 64-bit	
	Win 7	Win 7 32-bit, 64-bit	
System Power	DC input	DC 12V Input	
Environment	Temperature	Operating	None-operating
		-20 ~ 60°C (-4 ~ 140°F)	-20 ~ 80°C (-4 ~ 176°F)
Physical Size	Dimensions	230mm(W) x 209mm(D) x 82mm(H)	
Packing Carton	Dimensions	310mm(W) x 310mm(D) x 150mm(H)	
Weight	N.W / G.W.	3.0Kg / 3.5Kg	
Certifications	EMC	CE/FCC to be ready soon	

System Dimension Drawing



Ordering Information

Part Number	CPU	HDMI	GbE	POE	USB3/USB2	COM 1/2	COM 3	iDoor	2.5" SATA/ M.2	DC-IN
AIS-2N00-C3N4-M0-00P0	J1900	1	4	0	1/3	RS-232/422/485	RS-232	Option	Option	12V
AIS-2N00-C3NP-M0-00P0	J1900	1	3	1	1/3	RS-232/422/485	RS-232	Option	Option	12V
AIS-2N00-C3DIO-M0-00P0	J1900	1	4	0	1/3	RS-232/422/485	RS-232	16DI/8DO	Option	12V
AIS-2N00-C3CA-M0-00P0	J1900	1	4	0	1/3	RS-232/422/485	RS-232	2CAN	Option	12V

※ The integration of AIS-2N00 and Advantech iDoor modules have to be done by production before shipment

Optional Items

Part Number	Description
SODIMM-DDR3-4GBL	204-Pin SODIMM DDR3-1333, 4GB 1.35V
CSC064G	2.5" SATA3(6Gb/S) SSD MLC, 64GB
DES25-A28	2.5" SATA3 SSD MLC, 128GB
CV1-CC128	2.5" SATA3 SSD MLC, 128GB, LITEON
M2-2280-MLC-064 / 128	M.2 2280 MLC, 64GB / 128GB (KEY M)
PCM-27D24DI	iDoor offers 24-Channel isolated Digital I/O, 16DI/8DO
PCM-26R2XX	2-Port Hilscher netX100 FieldBus mPCIe, EtherCAT, EtherNet/IP, Sercos III, PROFINET, POWERLINK
EMPL-G2P1-C2	iDoor offers dual isolated GbE LAN ports, up to 15.4W at 48V per PoE port
AIS-WM-BK	AIS Chassis Wall Mount Bracket Kits for AIS-2000 series , Black, with Screws
AIS-DBAE1-60W-2P	AC-DC12V 60W Adapter, AC 90V-264V input by C14 socket, DC12V@5A output with 2-pin terminal block