

# AIS-3050 Series

Mini-ITX Fanless System BayTrail with J1900 Quad-Core Celeron 2.0GHz CPU, PCIe1 slot  
VGA/HDMI, 2LAN, 3COM, 2USB3/6USB2, DC-IN



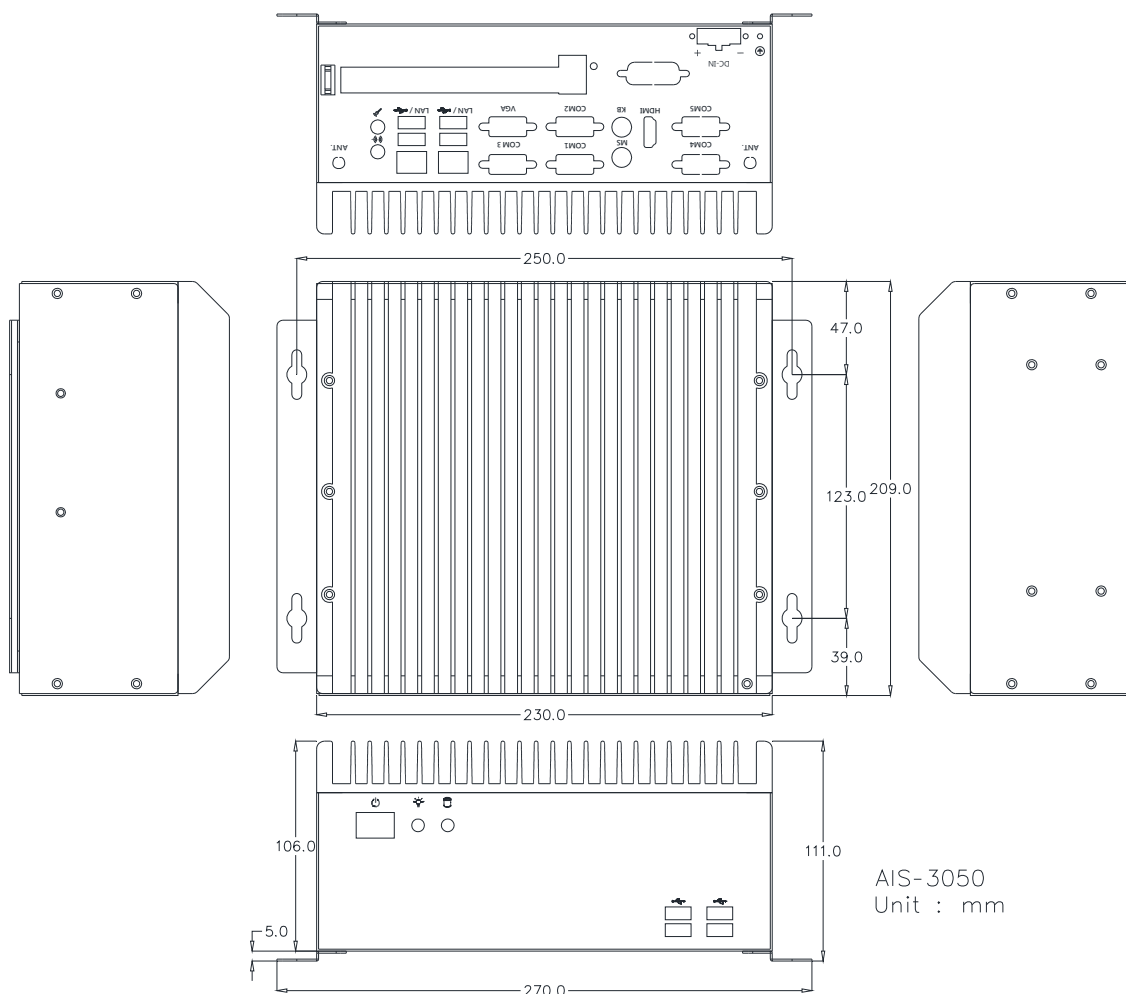
## Features

- Fanless Mini-ITX system with Intel Baytrail-D J1900 Celeron 2.0GHz Quad-core Processor
- Dual Channel DDR3L, 2 x SO-DIMM, up to 8GB system memory
- Dual display VGA/HDMI, Dual LAN by Realtek Gigabit
- 3 x COM(RS-232/422/485), option 2 x COM(RS-232)
- 2 x USB 3.0, 2x USB 2.0 on rear, 4xUSB 2.0 on front.
- One PCIe1 slot for add-on card expansion (ODM PCI slot)
- One HDD cage for 1x 2.5" HDD
- DC 9V ~ 19V input, option DC12V 60W adapter
- 0°C ~ 60°C harsh operation environment

## Specifications

AIS-3050 Series Key Features		AIS-3050D-M2-00P0	AIS-3050D-M4-00P0	AIS-3050D-M0-00P0
Processor System	CPU Cores	J1900 / 4-Core 2.0GHz		
	Cache / Maximum Power	2MB / 10W		
	Chipset	Intel Atom Baytrail-D SoC		
	BIOS	AMI 16Mb UEFI		
Expansion Slot	PCIe(x1)	1 x PCIe(x1) (ODM request by PCI x 1 slot )		
	Mini-PCIe	1 x half-size		
	mSATA	1 x full-size Mini-PCIe ( shared with SATA2)		
	Riser for PCIe(x1)	1 x PCIe(x1) riser ( ODM request by PCI x1 riser )		
Memory	Specification (SO-DIMM)	2 x Dual Channel DDR3L-1066/1333/1600 MHz SDRAM		
	Max. Capacity	Up to 8 GB system memory		
	Size	2GB	4GB	Option
Graphics	VGA	Supports resolution up to 1920x1200 32-bit @ 60Hz		
	HDMI	Supports resolution up to 1920x1200 32-bit @ 60Hz		
Ethernet	Interface Controller	Dual GbE Realtek RTL8111G-CG		
	Connector	2 x RJ-45		
SATA	SATA II	2 x SATAII ( SATA2 shared with mSATA)		
System Rear I/O	VGA	1 x VGA(DB15)		
	HDMI	1 x HDMI		
	Ethernet	2 x RJ45		
	USB ( IMB I/O shield)	2 x USB3.0, 2 x USB2.0		
	Serial (IMB I/O shield)	3 x COM (RS-232/422/485 are selectable by BIOS)		
	DB9/DB26	2 x DB9(COM4/COM5 options), 1 x DB26 (options)		
	Audio	1 x Audio ports (Mic-in, Line-out)		
System Storage	KB/MS	1 x PS/2 KB, 1 x PS/2 MS		
	HDD Driver Bay	1 x HDD Cage for one 2.5" HDD		
Optional Features on Rear I/O	COM4/COM5	2 x COM ( RS-232)		
	GPIO	1 x DB-9 or DB-15 for 4 x GPI + 4 x GPO by inquiry		
	LVDS	1 x DB-26		
	3W Speaker Output	1 x DB-9 for 3W speaker output by two 2-pin connectors, L+/L-, R+/R-		
System Front Bezel	Power On-Off Switch	1 x Soft switch		
	Power LED	1x LED for system power status		
	HDD LED	1x LED for HDD data access status		
	USB 2.0	4 x USB 2.0		
System Power	DC Input	1 x 2-pin phoenix connector for DC 9V ~ 19V input		
Environment	Temperature	Operating	None-operating	
		0 ~ 60°C ( 32 ~ 140°F )	-20 ~ 80°C ( -4 ~ 176°F )	
Physical Size	Dimensions	230mm(W) x 209mm(D) x 106mm(H)		
Packing Size	Dimensions	310mm(W) x 310mm(D) x 180mm(H)		
Weight	N.W. / G.W.	4.0Kg / 4.5Kg		
Certifications	EMC	CE, FCC Class B		

## Dimension Drawing



## Ordering Information

Part Number	CPU	VGA	HDMI	PClex1	GbE	UBS3.0	USB2.0	COM1/2/3	Memory	mSATA	HDD
AIS-3050D-M2-00P0	J1900	1	1	1	2	2	6	RS-232/422/486	2GB	Option	Option
AIS-3050D-M2-m64P0	J1900	1	1	1	2	2	6	RS-232/422/486	2GB	64GB mSATA	Option
AIS-3050D-M4-00P0	J1900	1	1	1	2	2	6	RS-232/422/485	4GB	Option	Option
AIS-3050D-M4-m64P0	J1900	1	1	1	2	2	6	RS-232/422/485	4GB	64GB mSATA	Option
AIS-3050D-M0-00P0	J1900	1	1	1	2	2	6	RS-232/422/485	Option	Option	Option

## Optional Items

Part Number	Description
SODIMM-DDR3-2GBL	204-Pin SODIMM DDR3-1333, 2GB 1.35V
SODIMM-DDR3-4GBL	204-Pin SODIMM DDR3-1333, 4GB 1.35V
MSD-M032 / M064	mSATA SSD Module interface SATA III (6.0Gb/s), MLC, Toshiba TSOP 19mn, 32GB / 64GB
SSD3-064	2.5" SATA3 SSD MLC, 64GB
SAHDD-500	2.5" SATA HDD 500GB
AIS-WM-BK	AIS Chassis Wall Mount Bracket Kits, Black, with Screws L=178mm ( Same design for AGS-3000 series)
AES-DBAE1-60W-2P	AC-DC 12V@4.16A 50W Adapter, with 2-pin Terminal Block