

AIS-E1-H61A

Advanced Mini-ITX System Controller with LGA1155 Socket 2nd Generation Intel® Core™ i7/i5/Celeron® QC/DC Processors

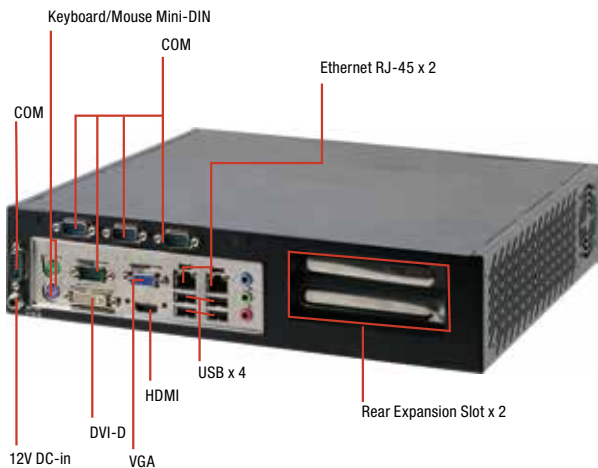
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Advanced System Controllers

Front View



Rear View



Features

- Mini-ITX Based Chassis With Scalable Expansion Slots
- LGA1155 Socket 2nd Generation Intel® Core™ i7/i5/Celeron® QC/DC Processors Up to 65W
- Intel® H61 Chipset
- 204-pin Dual-Channel DDR3 1066/1333MHz SODIMM x 2, Up to 16GB
- Intel® Integrated Graphics Engine Supports Dual View by VGA, DVI, LVDS, HDMI
- Realtek RTL 8111F Gigabit LAN x 2
- 2.5" HDD/SSD Bay x 2 or 3.5" HDD/SSD x 2 + 2.5" HDD/SSD Bay x 1
- USB 2.0 x 8, COM x 2 (Up to 6 COM Ports Via Expanded DB9 Holes and Expansion Slot)
- Mini-PCI-E Socket x 1, CF-SATA x 1 (Optional PCI-E [x4] Riser Card x 1)
- Dimension: 315mm(W) x 70mm(H) x 300mm(D)



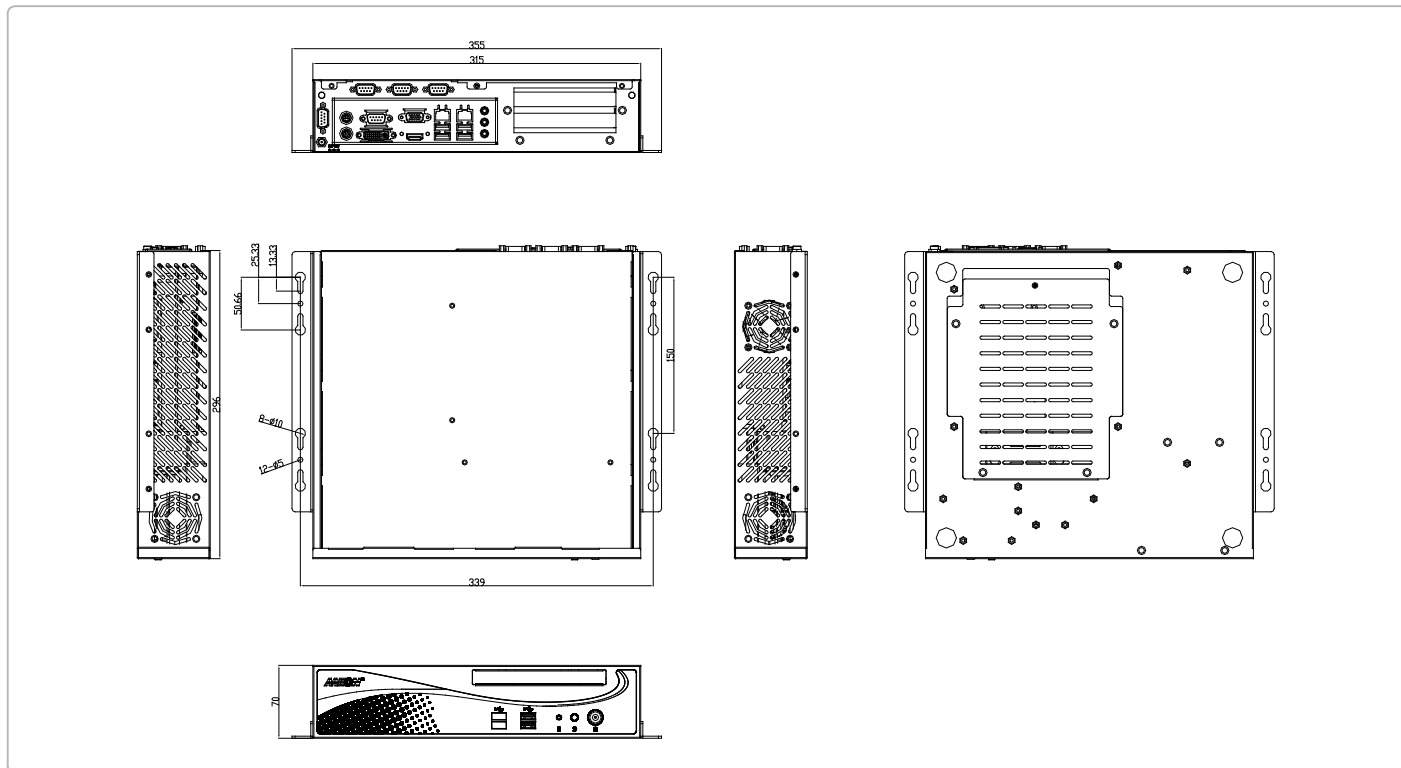
Specifications

CPU	Intel® Socket LGA 1155 for i7/i5/Celeron® QC/DC processor up to 65W	
Chipset	Intel® H61	
System Memory	DDR3 1066/1333MHz SDRAM SODIMM x 2, up to 16GB	
Display Interface	VGA	VGA x 1
	DVI	DVI-D- x 1
	Others	HDMI x 1
Storage Device	SSD	CF-SATA slot x 1
	HDD	2.5" HDD x 2, or 2.5" HDD x 1 + 3.5" HDD x 1
Network	LAN	Gigabit Ethernet, RJ-45 x 2
	Wireless	Optional by Mini card
Front I/O	USB Host	USB 2.0 x 2
	Serial Port	—
	DIO	—
	Audio	—
	Others	Power Button x 1, Reset Button x 1, HDD LED x 1
Rear I/O	USB Host	USB 2.0 x 6
	LAN	—
	Serial Port	RS-232/422/485 x 1, RS-232 x 5 (optional)
	DIO	—
	Audio	Mic-in, Line-in, Line-out
Expansion	KB/MS	KB/MS x 1
	Others	Power input x 1
	PCIe	—
	PCI	—
	Mini Card	Mini Card x 1
Indicator	Mini PCI	—
	Others	PCI-E[x4] x1 (optional)
	Front	PWR, HDD
	Rear	—
Power Requirement	12V DC-in	
Power Consumption	Intel® Core™ i3-2120M, DDR3 1333 8GB 4.84A@12V	
System Cooling	CPU cooler x 1 System Cooler x 2	
Mounting	Wallmount	
Operating temperature	32°F ~ 113°F (0°C ~ 45°C)	
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)	
Anti-Vibration	0.5 g rms/ 5 ~ 500Hz/ operation – HDD	
	3.5 g rms/ 5 ~ 500Hz/ operation – SSD	
Anti-Shock	10G peak acceleration (11 msec. duration) – HDD	
	20G peak acceleration (11 msec. duration) – SSD	
MTBF (Hours)	117,000	
Certification	EMC	CE/FCC Class A
	Safety	—
Dimension (W x H x D)	12.4"(W) x 2.76"(H) x 11.81"(D) (315mm x 70mm x 300mm)	
Gross Weight	15.9 lb(7.2 kg)	

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Dimension

Unit: mm



Ordering Information

Part Number	Chipset	RAM	Cooler	Storage	Display	LAN	USB	RS-232	RS-232/422/485	KB/MS	Audio	DIO	Expansion Slot	Mounting	Power
AIS-E1-H61A-001	Intel® H61	SODIMM	Fan	2.5" HDD Bay x 2, CF-SATA x 1	VGA, DVI, HDMI	GbE x 2	USB2.0 x 8	5	1	1	Mic-In Line-In Line-out	—	PCI-E[x4] x 1 Mini-PCI-E x 1	Desktop	DC 12V

Packing List

- **1701100503**
(TF) Flat Cable, DB-9P(M), 10P 2.00mm Housing W/ Nose, 50cm, For AIS-E1
- **17592H61A2**
(TF) CPU Cooler, Fan+Sink
- **1757908403**
(TF) Adaptor, AC, 100/240V, 12V/7A, 84W, FSP, FSP084-DMAA1 P/N:9NA084040X
- **1709070207**
(TF) SATA CABLE, 7P, to 7P SATA 1.27mm W/Lock 180D, 20cm, 26AWG
- **1702150207**
(TF) Power Cable, 15P SATA(F), 4P 2.54mm Housing(F), 20cm, for AIS-E1
- **1990666615**
(TF) Rubber Foot, Black, PINGOOD, R1904
- **Product DVD**
- **AIS-E1-H61A**

Optional Accessories

- **1701100503**
(TF) Flat Cable, DB-9P(M), 10P 2.00mm Housing W/ Nose, 50cm, For AIS-E1
- **1709070207**
(TF) SATA CABLE, 7P, to 7P SATA 1.27mm W/Lock 180D, 20cm, 26AWG
- **1702150207**
(TF) Power Cable, 15P SATA(F), 4P 2.54mm Housing(F), 20cm, for AIS-E1
- **9761E10004**
(TF)(X) Accessory Kit, for AIS-E1.3.5" or 2.5" HDD Module
- **9761E10005**
(TF)(X) Accessory Kit, for AIS-E1, CD-ROM Module