

# AiMC-3420

Micro Computer, Intel® Core™ i7/i5/i3 CPU,  
3 Expansion, 300W 80Plus PSU



## Features

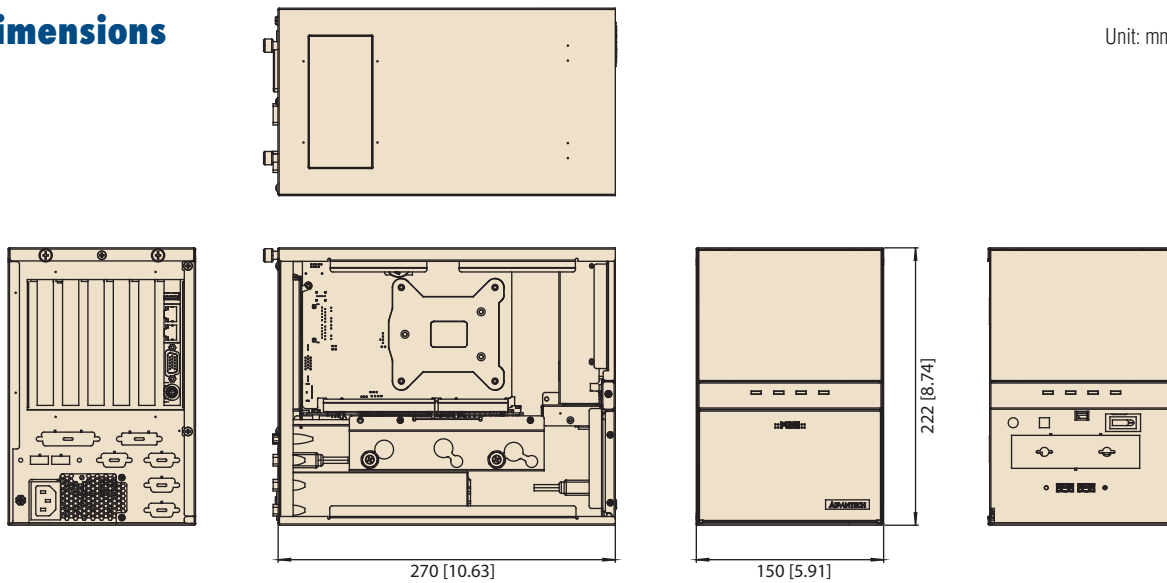
- Intel® H61 Platform
  - Intel® 3<sup>rd</sup>/2<sup>nd</sup> gen Core™ i7/i5/i3 CPU (LGA1155)
  - One PCIe x16 & two PCIe x1 Expansion Slots
- Compact & Rich I/O Configuration
  - One internal 3.5" SATA HDD bays with shock-resistant
  - Optional front removable 2.5" HDD bay
  - VGA, 2 GbE LAN, 8 USB2.0, 2 COM
  - Easy-to-maintain system fan and reusable filter
- Energy Savings
  - 300W 80Plus PSU

## Specifications

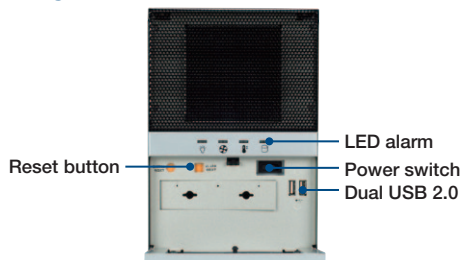
Processor System 1.5U CPU Cooler 3 Expansion slots	CPU	Core i7-2600	Core i5-3550S
	Core	4	4
	Base Frequency	3.4 GHz	3.0 GHz
	L3 Cache	8 MB	6 MB
	Chipset	H61	
	BIOS	AMI 64MB SPI Flash	
Processor System 1U CPU Cooler 4 Expansion slots	CPU	Core i3-3220	
	Core	4	
	Base Frequency	3.3 GHz	
	L3 Cache	3 MB	
	Chipset	H61	
Memory	BIOS	AMI 64MB SPI Flash	
	Technology	Dual Channel DDR3 1066/1333 MHz (Non ECC)	
	Max. Capacity	16 GB (8 GB per DIMM)	
Graphics	Socket	204-pin SO-DIMM x 2	
	Chipset Integrated	Integrated Intel HD Graphics	
Expansion slot	PCI Express x16	1; Full-Height: 107 mm / Length: Max. 196 mm	
	PCI Express x1	2; Full-Height: 107 mm / Length: Max. 196 mm	
Ethernet	Interface	10/100/1000 Mbps	
	Controller	LAN1: Intel 82579V, LAN2: Intel 82583V	
SATA	Max Data Transfer Rate	300 MB/s (SATA 2.0)	
	HDD Bay	1 internal 3.5"	
I/O Interface	Display	VGA	
	USB	8 (USB 2.0 compliant, 2 in front, 5 in rear, 1 internal type-A for software key)	
	Serial	2 RS-232	
	PS/2	1	
Watchdog Timer	Output	System reset	
	Interval	Programmable 1 ~ 255 sec/min	
Power Supply	Output Rating	AC 300W, ATX	
	Input Voltage	100 V <sub>AC</sub> ~ 240 V <sub>AC</sub>	
Cooling	System Fan	1 (9cm / 53 CFM)	
	Air Filter	Yes	
Miscellaneous	LED Indicators	Power, HDD, Temp, Fan	
	Control	Power on/off switch, Reset button	
Environment	Temperature	Operating 0 ~ 40° C (32 ~ 104° F)	Non-operating -20 ~ 60° C (-4 ~ 140° F)
	Humidity	10 ~ 85% @ 40° C, non-condensing	10 ~ 95% @ 40° C, non-condensing
	Vibration	1Grms, random, 5~500Hz, 3 axes, 1 hr/axis	2Grms, sine wave, 5~500Hz, 3 axes, 1 hr/axis
	Shock	10G, half sine wave, 11 ms duration	
	EMC	CE/FCC, CCC, BSMI	
	Safety	UL/CB, CCC, BSMI	
Physical Characteristics	Dimension (WxHxD)	150 x 222 x 270 mm	
	Weight	5 kg	

## Dimensions

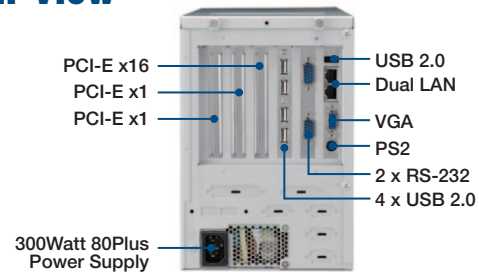
Unit: mm [inch]



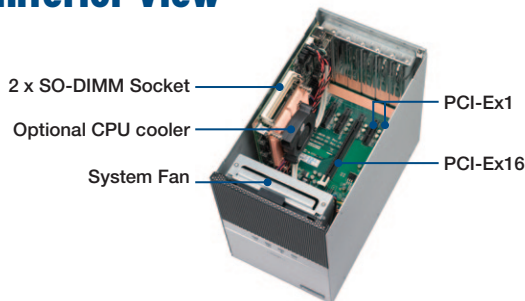
## Front View



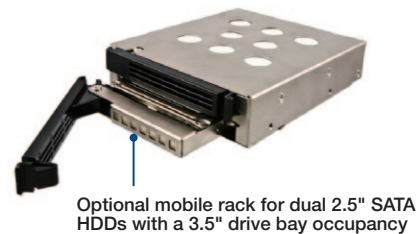
## Rear View



## Interior View



## IDT-3120E



## Ordering Information

Model name	Power Supply
AIMC-3420-00A1E	Micro Computer, Intel Core i7/i5/i3 CPU, 3 Expansion, 300W 80Plus PSU

## Packing List

Items	Part Number	Quantity
AIMC-3420 Bare System	AIMC-3420-00A1E	1
Driver CD	2066302600	1
SATA HDD Data Cable	1700003194	1
SATA HDD Power Cable	1703150102	1
LPT Cable	1700002223	1
MOUNTING BRACKET	1960048518N001	1
Rubber Foot	1990012452S000	4

## Optional Accessories

Part Number	Description
1960053207N001	1.5U Cooler for i7/i5/i3 CPU
1960053065N001	1U Cooler for i3 CPU
PCIE-1674PC-AE	4-port PCI express GbE PoE card
PCIE-1672PC-AE	2-port PCI express GbE PoE card
1700008822	DVI Cable
IDT-3120E	Removable dual 2.5" HDD tray
PCA-COM485-00A1E	4-port RS-485/422 Module by LPC
PCA-COM232-00A1E	4-port RS-232 Module by LPC
PCA-AUDIO-HDA1E	Audio extension module with HD audio interface
PCA-TPM-00A1E	Trusted platform module compliant with TCG 1.2

Note: Purchasing proprietary CPU cooler from Advantech is a must. Other brands' CPU coolers are NOT compatible.