

# SYS-4U4320-7A01

# SYS-4U4320-7S01

4U Intel® Core™ i7/i5/i3 ATX/  
SBC System with Dual SATA/SAS  
HDD Trays

**NEW**

PICMG 1.3



## Features

- **Intel Q57 platform**
  - Supports Intel® Core™ i7/i5/i3 up to 2.9 GHz
  - Supports dual display VGA and DVI and dual GbE LAN
- **Easy data mirroring**
  - Supports two SATA/SAS HDD mobile racks for data mirroring
- **Expandability**
  - Supports numerous PCI/PCIe add-on cards
  - Great scalability with one 3.5" and three 5.25" front-accessible drive bays
- **LED indicators and alarm notification for system fault detection and network connection**
- **Lockable front door prevents unauthorized access**

## Specifications

Model		SYS-4U4320-7A01	SYS-4U4320-7S01
Processor System	Chipset	Intel Q57	Intel Q57
	Processor	Supports up to Intel Core i7/i5/i3 up to 2.9 GHz	Supports up to Intel Core i7/i5/i3 up to 2.9 GHz
	L2 Cache	Up to 8 MB	Up to 8 MB
	Memory	Dual channel DDR3 800/1066/1333 SDRAM up to 16 GB	Dual channel DDR3 800/1066/1333 SDRAM up to 8 GB
Graphics	Controller	Intel GFX (Only the Core i5 600, Core i3 and Pentium CPU with dual core are embedded with integrated graphics)	Intel GFX (Only the Core i5 600, Core i3 and Pentium CPU with dual core are embedded with integrated graphics)
	Expansion Slot		
Expansion Slot	PCIe x16	1	1
	PCIe x4	1	1
	PCIe x1	1	-
	PCI	4	4
Storage	Optical Drive (supported)	CD-ROM / DVD-ROM / CD-RW	CD-ROM / DVD-ROM / CD-RW
	HDD (supported)	SATA	SATA
Drive Bay	5.25" (front-accessible)	2	2
	3.5" (front-accessible)	2 SAS/SATA HDDs +1	2 SAS/SATA HDDs +1
	3.5" (internal)	-	-
Ethernet	Interface	10/100/1000 Mbps Gigabit Ethernet	10/100/1000 Mbps Gigabit Ethernet
	Controller	Intel 82578DM, Intel 82583V	Intel 82578DM, Intel 82583V
Front I/O Interface	USB	2	2
Rear I/O Interface	USB	4	-
	PS/2	2	1
	COM	2	-
	VGA	1 VGA + 1 DVI	1
	Parallel	-	1
	RJ-45	2	2
	Audio	2 (Mic-in, Line-out)	-
Operating System		Microsoft Windows 7/XP	Microsoft Windows 7/XP
Watchdog Timer	Output	System reset	System reset
	Interval	Programmable 1 – 255 seconds	Programmable 1 – 255 seconds
Power Supply	Power Output Wattage	400 W	400 W
	Input Range	AC 100 – 240 V	AC 100 – 240 V
Cooling	Chassis Fan	2 (12 cm /85 CFM each) / 1 (12 cm /114 CFM) + 1 (6 cm /28 CFM)	2 (12 cm /85 CFM each) / 1 (12 cm /114 CFM) + 1 (6 cm /28 CFM)
	Air Filter	Yes	Yes
Miscellaneous	LED Indicators	Power, HDD activity, temperature, fan and LAN connectivity	Power, HDD activity, temperature, fan and LAN connectivity
Environment	Temperature	Operating 0 – 40° C (32 – 104° F)	Operating 0 – 40° C (32 – 104° F)
	Humidity	10 – 85% @ 40° C non-condensing	10 – 85% @ 40° C non-condensing
	Dimensions (W x H x D)	482 x 177 x 480 mm (19" x 7" x 18.9")	482 x 177 x 480 mm (19" x 7" x 18.9")
Physical Characteristics	Weight	20 kg (44 lb)	20 kg (44 lb)

## Ordering Information

Please visit Advantech CTOS portal for order entry.  
<http://www.advantech.com/ctos>

## System Content

Model Number	Item	Part Number
SYS-4U4320-7A01	Chassis	ACP-4320MB-00XE
	Motherboard	AIMB-780QG2-00A1E
	Power Supply	PS-400ATX-ZBE
SYS-4U4320-7S01	Chassis	ACP-4320BP-00XE
	SBC	PCE-5125QG2-00A1E
	Backplane	PCE-5B10-04A1E
	Power Supply	PS-400ATX-ZBE