

# SYS-1U1320-4A02

# SYS-1U1320-4S01

1U Intel® Core™2 Quad ATX /  
PICMG 1.0 System with Dual  
SATA/SAS HDD Trays

**NEW**



## Features

- MB: Intel Q35 platform**
  - Supports Intel® Core™2 Quad processor up to 2.66 GHz
  - Supports dual channel DDR2 SDRAM up to 8 GB
- BP: Intel Q965 platform**
  - Supports Intel® Core™2 Duo processor up to 3.0 GHz
  - Support Dual Channel DDR2 800/667/533 SDRAM up to 8 GB
- Expandability**
  - Supports dual front-accessible SAS/SATA HDDs
  - Supports up to 2 expansion slots in BP version, and 1 expansion slot via riser card in MB version
  - Efficient cooling design prevents the system from over-heating

## Specifications

Form Factor		SYS-1U1320-4A02	SYS-1U1320-4S01
Processor System	Chipset	Intel Q35 + ICH9 DO	Intel Q35 + ICH9DO
	CPU	Supports Intel Core 2 Quad processor up to 2.66 GHz	Supports Intel Core 2 Quad processor up to 3.0 GHz
	Front Side Bus	800/1066/1333 MHz	800/1066/1333 MHz
	L2 Cache	up to 6 MB	up to 12 MB
	Memory	Dual channel DDR2 667/800 MHz SDRAM up to 8 GB	Dual channel DDR2 667/800 MHz SDRAM up to 8 GB
Graphics	Controller	Intel GMA 3100 sharing 384 MB system memory	Up to Intel GMA3100 sharing 384 MB system memory
Expansion Slot	PCI	1	1
	PCIe X 16	-	1
Storage	Optical Drive (supported)	Slim DVD-ROM / CD-RW / CD-ROM	Slim DVD-ROM / CD-RW / CD-ROM
	HDD (supported)	SATA/ SAS	SATA/ SAS
Drive Bay	Slim ODD bay	1	1
	3.5" (front-accessible)	2 SATA/ SAS with HDD trays	2 SATA/ SAS with HDD trays
Ethernet	Interface	10/100/1000 Mbps Gigabit Ethernet	10/100/1000 Mbps Gigabit Ethernet
	Controller	Intel 82573L, 82566DM	Intel 82566DM, Intel 82573V
Front I/O Interface	USB	2	2
	USB	4	-
Rear I/O Interface	PS/2	2	1
	COM	2	-
	VGA	1	1
	Parallel	1	-
	RJ-45	2	2
	Audio	2 (Mic-in, Line-Out)	-
	Operating System		Microsoft Windows 2000/XP/Windows 7
Power Supply	Power Output Wattage	300 W	300 W
	Input Range	AC 100 ~ 240 V	AC 100 ~ 240 V
Cooling	Chassis Fan	2 (4 cm / 24 CFM each)	2 (4 cm / 24 CFM each)
Miscellaneous	LED Indicators	Power, HDD activity, temperature, fan, LAN1 and LAN2	Power, HDD activity, temperature, fan, LAN1 and LAN2
Environment	Temperature	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
	Dimensions (W x H x D)	480 x 44 x 620 mm (19" x 1.7" x 24.3")	480 x 44 x 620 mm (19" x 1.7" x 24.3")
Physical Characteristics	Weight	10 kg (22 lb)	10 kg (22 lb)

## Ordering Information

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

## System Content

Item	Part Number
<b>SYS-1U1320-4A02</b>	
Chassis	ACP-1320MB0-30ZE
Motherboard	AIMB-766G2-00A1E
Riser Card	AIMB-RP10P-01A1E
<b>SYS-1U1320-4S01</b>	
Chassis	ACP-1320BP-30ZE
SBC	PCE-5124G2-00A1E
Backplane	PCE-5B03V-01A1E