

SYS-1U1320-4A01

SYS-1U1320-4S01

**1U Intel® Core™ 2 Quad ATX/
PICMG 1.3 SBC System with
Dual SATA/SAS HDD Trays**



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® Q35 platform
 - Supports Intel® Core™2 Quad processor update to 3.0 GHz
 - Supports dual channel DDR2 SDRAM up to 8 GB
- Expandability
 - Supports dual front-accessible SAS/SATA HDD
 - Supports up to 2 expansion slots in BP version, and 1 expansion slot via riser card in MB version
 - Efficient cooling desing prevents the system from over-heating

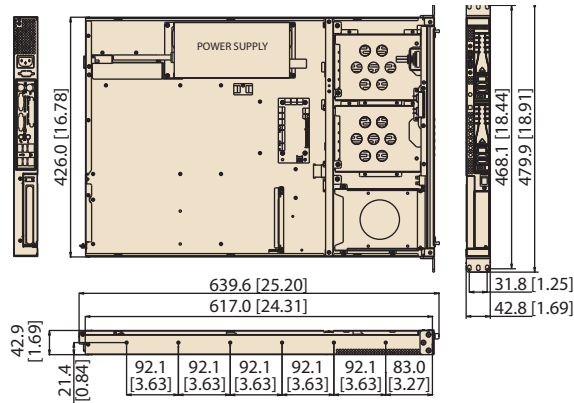
Specifications

Form Factor		SYS-1U1320-4A01	SYS-1U1320-4S01		
Computing System	Chipset	Intel Q35+ICH9DO	Intel Q35+ICH9DO		
	CPU	Support Intel Core 2 Quad processor up to 2.66 GHz	Support Intel Core 2 Quad processor up to 2.8 GHz		
	Front Side Bus	800/1066/1333 MHz	800/1066/1333 MHz		
	L2 Cache	Up to 6 MB	Up to 6 MB		
	Memory	Dual channel DDR2 667/800 MHz up to 8 GB	Dual channel DDR2 667/800 MHz up to 8 GB		
Graphics	Embedded	Intel GMA3100 intertrated	Intel GMA3100 intertrated		
	Vram	Dynamically sharing system memory up to 256 MB	Dynamically sharing system memory up to 256 MB		
Expansion Slot	PCI	1	1		
	PCIe x16	-	1		
Drive Bay	Slim ODD bay	1	1		
	3.5" (Front-Accessible)	2 SATA HDDs+1	2 SATA HDDs+1		
Ethernet	Interface	10/100/1000 Base-T	10/100/1000 Base-T		
	Controller	LAN1: Intel 82566DM LAN2: Intel 82573L	LAN1: Intel 82566DM LAN2: Intel 82573V		
Front I/O Ports	USB	2	2		
Real I/O Ports	USB	4	-		
	PS/2	2	1		
	COM	1	-		
	VGA	1	1		
	Parallel	1	-		
	Rj-45	2	2		
	Audio	2 (Mic-in, Line-Out)	-		
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)	4 (4 cm/ 24 CFM x3 + 15 CFM x1)		
Miscellaneous	Notification LEDs	Power staus, HDD activity, temperature, Fan and LAN connectivity	Power staus, HDD activity, temperature, Fan and LAN connectivity		
Environment	Temperature	Operating	Non-Operating	Operating	Non-Operating
		0 ~ 40° C (32 ~ 104° F)	-20 ~ 60° C (-4 ~ 104° F)	0 ~ 40° C (32 ~ 104° F)	-20 ~ 60° C (-4 ~ 104° F)
Humidity	10 ~ 85% @ 40° C, non-condensing	10 ~ 95% @ 40° C, non-condensing	10 ~ 85% @ 40° C, non-condensing	10 ~ 95% @ 40° C, non-condensing	
	Physical Characteristics	Dimension (W x H x D)	480 x 44 x 617 mm (19" x 1.7" x 24.3")	480 x 44 x 617 mm (19" x 1.7" x 24.3")	
	Weight	10 Kg (22 lb)	10 Kg (22 lb)		

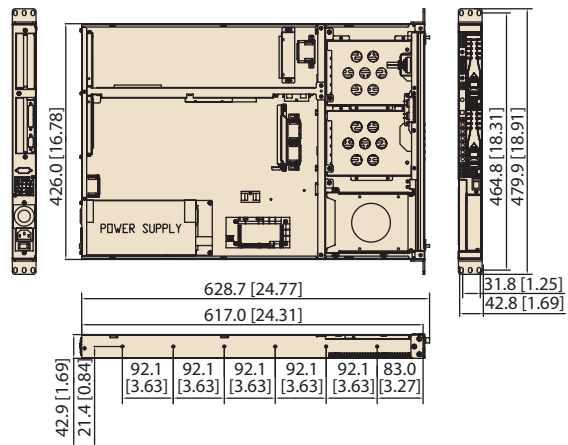
Dimensions

Unit: mm [inch]

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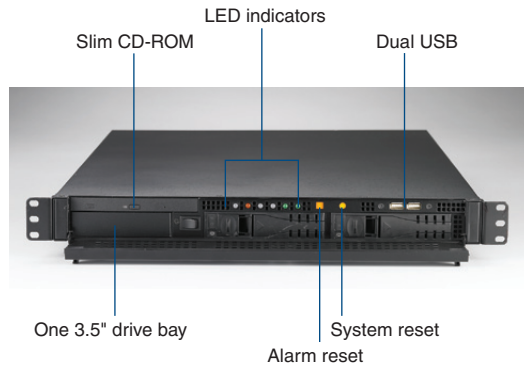
Ordering Information

Please visit Advantech eStore for order entry.
<http://buy.advantech.com/>

System Contents

Item	Part Number
SYS-1U1320-4A01	
Chassis	ACP-1320MB0-30ZE
Motherboard	AIMB-766G2-00A1E
Riser Card	AIMB-RP10P-01A1E
Cooler	1960049408N001
SYS-1U1320-4S01	
Chassis	ACP-1320BP-30ZE
SBC	PCE-5124G2-00A1E
Backplane	PCE-5B03V-01A1E

Front View



Dual front-accessible
SATA HDD trays