

SYS-4U4320-4A02

SYS-4U4320-4S02

4U Intel® Core™ 2 Quad ATX/SBC System with Dual SATA HDD Trays



Features

- **Intel Q35 platform**
 - Supports quad core and duo core processors with 45 nm processing
 - Supports dual channel DDR2 667/800 SDRAM up to 8 GB
 - Dual integrated GbE delivers excellent network performance
- **Easy data mirroring**
 - Supports two SATAII 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
- **Supports performance graphics card via PCIe x 16 slot**



Specifications

| Model | SYS-4U4320-4A02 | | | | SYS-4U4320-4S02 | | | | |
|--------------------------|---------------------------|--|------------|---|-----------------|--|------------|---|------------------|
| Form Factor | 4U Rackmount | | | | 4U Rackmount | | | | |
| Processor System | Chipset | Intel Q35 + ICH9 | | | | Intel Q35 + ICH9 | | | |
| | CPU | Core 2 Quad | Core 2 Duo | Pentium Dual Core | Celeron 2.0 GHz | Core 2 Quad | Core 2 Duo | Pentium Dual-Core | Celeron Sequence |
| | L2 Cache | 2.83 GHz | 3.16 GHz | 2.2 GHz | 2.0 GHz | 2.83 GHz | 3.16 GHz | 2.40 GHz | 400 2 GHz |
| | Front Side Bus | 12 MB | 6 MB | 1 MB | 512 KB | 12 MB | 6 MB | 1 MB | 512 KB |
| | Memory | 800/1066/1333 MHz | | | | 800/1066/1333 MHz | | | |
| Graphics | Controller | Dual channel DDR2 667/800 MHz up to 8 GB | | | | Dual channel DDR2 667/800 MHz SDRAM up to 8 GB | | | |
| | VRAM | Intel GMA3100 integrated | | | | Intel GMA3100 integrated | | | |
| | | Dynamically shared system memory up to 256 MB | | | | Dynamically shared system memory up to 256 MB | | | |
| Expansion Slot | PCIe x 16 | 1 | | | | 1 | | | |
| | PCIe x 1 | 2 | | | | 4 | | | |
| | PCI | 4 | | | | 4 | | | |
| Storage | Optical Drive (supported) | CD-ROM / DVD-ROM / CD-RW | | | | CD-ROM / DVD-ROM / CD-RW | | | |
| | Floppy Disk (supported) | 3.5" 1.44 MB FDD | | | | 3.5" 1.44 MB FDD | | | |
| | HDD (supported) | SATA | | | | SATA | | | |
| Drive Bay | 5.25" (front-accessible) | 2 | | | | 2 | | | |
| | 3.5" (front-accessible) | 1 | | | | 1 | | | |
| | 3.5" (mobile rack) | 2 | | | | 2 | | | |
| Ethernet | Interface | 10/100/1000 Mbps Gigabit Ethernet | | | | 10/100/1000 Mbps Gigabit Ethernet | | | |
| | Controller | Intel 82566DM, 82573V | | | | Intel 82566DM, 82573V | | | |
| Front I/O Interface | USB | 2 | | | | 2 | | | |
| Rear I/O Interface | USB | 4 | | | | 4 | | | |
| | PS/2 | 2 | | | | 1 | | | |
| | COM | 4 | | | | 2 ~ 6 | | | |
| | VGA | 1 | | | | 1 | | | |
| | Parallel | 1 | | | | 1 | | | |
| | RJ-45 | 2 | | | | 2 | | | |
| | Audio | 2 (Mic-in, Line-out) | | | | - | | | |
| Operating System | | Microsoft Windows 2000/ XP/ Vista | | | | Microsoft Windows 2000/ XP/ Vista | | | |
| 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 / 114 CFM + 6 cm / 28 CFM) | | | | 2 (12 cm / 114 CFM + 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) | | Non- Operating -20 ~ 60° C (-4 ~ 140° F) | | 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 | | 10 ~ 85% @ 40° C non-condensing | | 10 ~ 95% @ 40° C non-condensing | |
| Physical Characteristics | Dimensions (W x H x D) | 482 x 177 x 478 mm (19" x 7" x 18.8") | | | | 482 x 177 x 478 mm (19" x 7" x 18.8") | | | |
| | Weight | 20 kg (44 lb) | | | | 20 kg (44 lb) | | | |

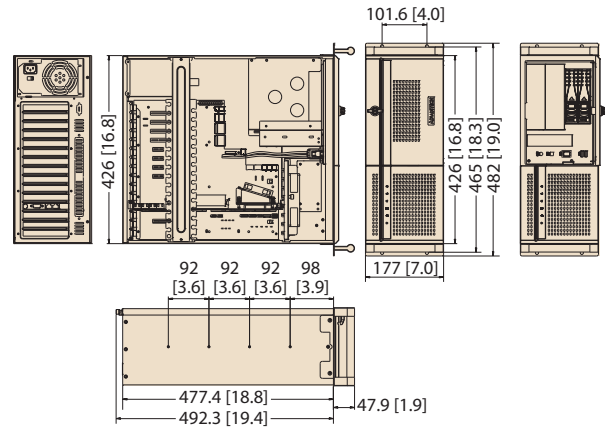
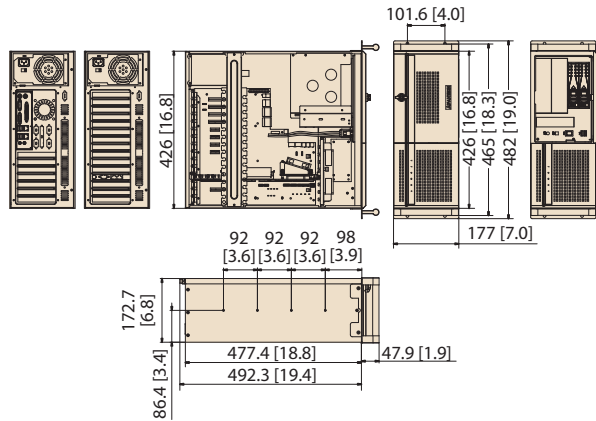
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Dimensions

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Unit: mm (inch)



Ordering Information

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

System Content

| Model Number | Item | Part Number |
|-----------------|----------------------|---|
| SYS-4U4320-4A02 | Chassis | ACP-4320MB-00XE |
| | Motherboard | AlMB-766G2-00A1E |
| | CPU Cooler | 19600022033T000 |
| | Power Supply | PS-400ATX-ZBE |
| SYS-4U4320-4S02 | Chassis | ACP-4320BP-00XE |
| | SBC | PCE-5124G2-00A1E |
| | Backplane | PCE-5B10-04A1E |
| | CPU Cooler | 1750000332 |
| | Power Supply | PS-400ATX-ZBE |
| | Optional Accessories | 1701092300 (Dual COM port cable kit for COM 1-2) 1700008762 (Dual COM ports cable kit for COM 3-4 and COM 5-6) |

Front View



Inside View

