

# SYS-4U510-4A01

**4U Intel® Core™ 2 Duo  
ATX System with Front  
HDD Bays & PCIe x16 Slot**



## Features

- **Intel® Q965 Platform**
  - Supports Intel® Core™ 2 Duo processor up to 2.66 GHz (LGA 775)
  - Supports dual channel DDR2 SDRAM up to 4 GB
- **Easy Storage Options**
  - Front accessible drive bays for three 5.25" and one 3.5" drives
- **Expandability**
  - Offers one PCIe x16 slot for graphics expansion
  - Supports one PCIe x1 & up to five PCI add-on cards
  - Front-accessible USB and PS/2 connectors

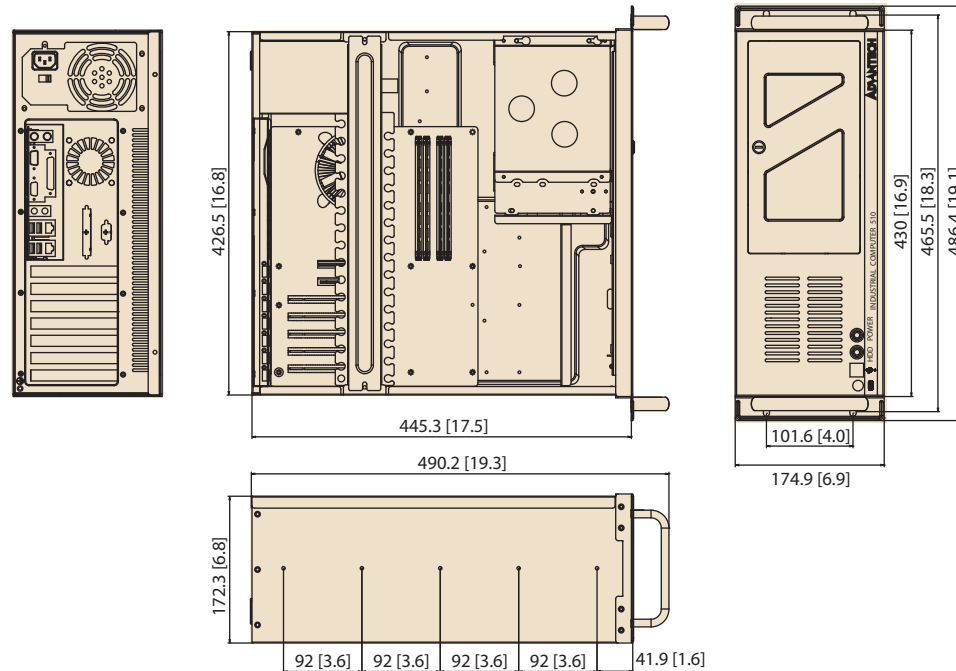


## Specifications

|                          |                          |                                                                                       |
|--------------------------|--------------------------|---------------------------------------------------------------------------------------|
| Form Factor              | 4U Rackmount             |                                                                                       |
| Computing System         | Chipset                  | Intel 945G + ICH7                                                                     |
|                          | CPU                      | Supports Intel Core 2 Duo processor up to 2.66 GHz; Pentium D up to 3.06 GHz (LGA775) |
|                          | Front Side Bus           | 533/800/1066 MHz                                                                      |
|                          | L2 Cache                 | 1 / 2 / 4 MB                                                                          |
| Graphics                 | Memory                   | DDR2 533/667 MHz SDRAM up to 4 GB (dual channel)                                      |
|                          | Controller               | Intel 945G Integrated                                                                 |
|                          | VRAM                     | Dynamically shared system memory up to 224 MB                                         |
| Expansion Slot           | PCI                      | 5 x 32-bit                                                                            |
|                          | PCIe x1                  | 1                                                                                     |
|                          | PCIe x16                 | 1                                                                                     |
| Storage                  | Optical Drive (support)  | CD-ROM / DVD-ROM / CD-RW                                                              |
|                          | Floppy Disk (support)    | 3.5" 1.44 MB FDD                                                                      |
|                          | HDD (support)            | SATA                                                                                  |
| Drive Bay                | 5.25" (front-accessible) | 3                                                                                     |
|                          | 3.5" (front-accessible)  | 1                                                                                     |
|                          | 3.5" (internal)          | 1                                                                                     |
| Ethernet                 | Interface                | 10/100/1000Base-T Gigabit Ethernet                                                    |
|                          | Controller               | Intel 82573                                                                           |
| Front I/O Ports          | USB                      | 2                                                                                     |
|                          | PS/2                     | 1                                                                                     |
| Rear I/O Ports           | USB                      | 4                                                                                     |
|                          | PS/2                     | 2                                                                                     |
|                          | COM                      | 2                                                                                     |
|                          | VGA                      | 1                                                                                     |
|                          | Parallel                 | 1                                                                                     |
|                          | RJ-45                    | 1                                                                                     |
| Operating System         | Audio                    | 3 (Mic-in, Line-in, Line-out)                                                         |
|                          | Output                   | Microsoft Windows XP                                                                  |
| Watchdog Timer           | Interval                 | Interrupt, System Reset                                                               |
|                          | Interval                 | Programmable 1 ~ 255 sec                                                              |
| Power Supply             | Power Output Wattage     | 400 W                                                                                 |
|                          | Input Range              | AC 100 ~ 240 V                                                                        |
| Cooling                  | Chassis Fan              | 1                                                                                     |
|                          | Air Filter               | Yes                                                                                   |
| Miscellaneous            | Notification LEDs        | Power status and HDD activity                                                         |
| Environment              | Temperature              | Operating: 0 ~ 40° C (32 ~ 104° F)<br>Non-Operating: -20 ~ 60° C (-4 ~ 140° F)        |
|                          | Humidity                 | 10 ~ 85% @ 40° C non-condensing<br>10 ~ 95% @ 40° C non-condensing                    |
|                          | Color                    | Beige                                                                                 |
| Physical Characteristics | Dimensions (W x H x D)   | 482 x 177 x 450 mm (19" x 7" x 17.7")                                                 |
|                          | Weight                   | 16 kg (35.2 lb)                                                                       |

## Dimensions

Unit: mm (inch)



## Ordering Information

Please visit Advantech CTOS portal for order entry.

<http://www.advantech.com/ctos>

## System Content

| Item         | Part Number      |
|--------------|------------------|
| Chassis      | IPC-510MB-00XBE  |
| Motherboard  | AIMB-763VG-00A1E |
| Power Supply | PS-400ATX-ZBE    |

## Front View

