

# SYS-4U4000-4F02

3rd Gen Intel® Core™ i7/i5/i3  
4U PICMG1.3 System with  
12 Expansion Slots



## Features

- Intel® Q77 Platform
  - Intel® Core™ i7/i5/i3 CPU (LGA1155)
  - Dual Channel (Non-ECC) DDR3 1333/1600 up to 16 GB
  - Supports USB3.0, SATA3.0, SW Raid 0, 1, 5, 10
- Expansion Capability
  - 8 PCI, 3 PCIe1, 1 PCIe16
  - Three 5.25" ODD and One 3.5" Shock-resistant Drive Bay
- Thoughtful and Management Design
  - Intelligent remote manageability
  - Smart fan control
  - Lockable front door prevents unauthorized access
  - 300W 80 plus power supply



**SUSIAccess**  
Remote Device Management

CE FCC

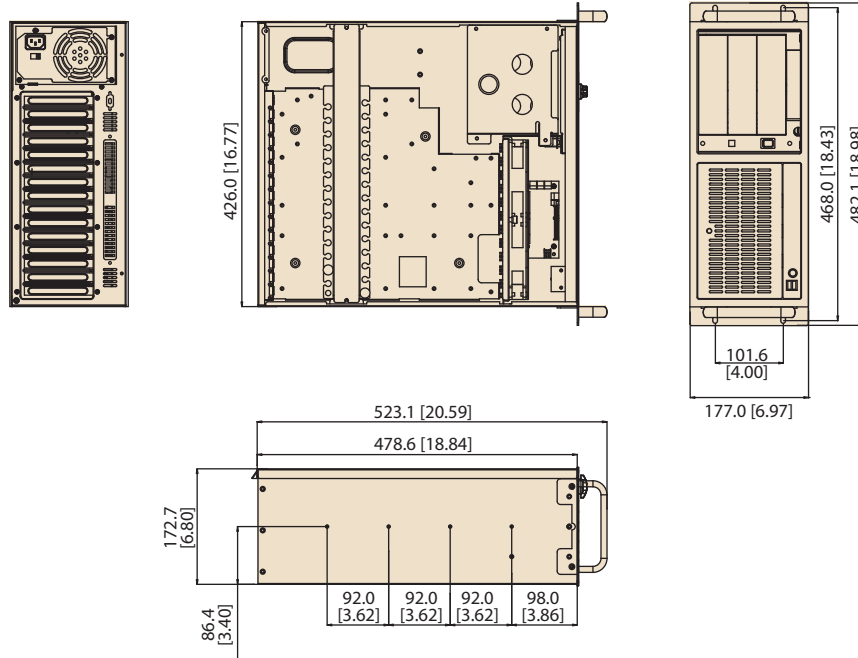


## Specifications

|                          |                        |  |               |              |  |              |              |  |
|--------------------------|------------------------|--|---------------|--------------|--|--------------|--------------|--|
| Processor System         | CPU                    | Core i7-3770   | Core i5-3550S | Core i3-3220 | Pentium G2120                              | Pentium G850 | Celeron G540 |  |
|                          | Base Frequency         | 3.4 GHz  | 3.0 GHz       | 3.3 GHz      | 3.1 GHz                                    | 2.9 GHz      | 2.5 GHz      |  |
|                          | L3 Cache               | 8 MB   | 6 MB          | 3 MB         | 3 MB                                       | 3 MB         | 2 MB         |  |
|                          | SKU/Chipset            | Intel Q77  |               |              |  |              |              |  |
|                          | BIOS                   | AMI 64Mbit SPI Flash   |               |              |  |              |              |  |
| Memory                   | Technology             | Dual channel (Non-ECC) DDR3 1333/1600  |               |              |  |              |              |  |
|                          | Max. Cap.              | 16 GB (8 GB per DIMM)  |               |              |  |              |              |  |
|                          | Socket                 | DDR3 240-pin DIMM x 2  |               |              |  |              |              |  |
| Graphics                 | Controller             | Chipset integrated Intel HD Graphics   |               |              |  |              |              |  |
|                          | Video Output           | 15 Pin VGA D-sub Connector x1/DVI-D connector x1 (Pin Header)  |               |              |  |              |              |  |
| Expansion Slot           | PCI Express x 16       | 1  |               |              |  |              |              |  |
|                          | PCI Express x 1        | 3  |               |              |  |              |              |  |
|                          | PCI                    | 8  |               |              |  |              |              |  |
| Ethernet                 | Interface              | 10/100/1000 Mbps   |               |              |  |              |              |  |
|                          | Controller             | LAN 1: Intel 82579LM<br>LAN 2: Intel 82583V  |               |              |  |              |              |  |
| Storage                  | 5.25" HDD Bay          | 3 Front-accessible   |               |              |  |              |              |  |
|                          | 3.5" HDD Bay           | 1 Front-accessible   |               |              |  |              |              |  |
| Front I/O Interface      | USB                    | 2  |               |              |  |              |              |  |
|                          | PS/2                   | 1  |               |              |  |              |              |  |
| Rear I/O Interface       | USB                    | Nine USB2.0 (Pin-header*4+USB Type A*1+ 4 on backplane);<br>Three USB3.0 (Pin-Header*2+Rear*1)   |               |              |  |              |              |  |
|                          | Serial                 | 2 x RS-232 Pin-Header  |               |              |  |              |              |  |
|                          | Parallel               | 1 (SPP/EPP/ECP)  |               |              |  |              |              |  |
|                          | PS/2                   | 1 (Y cable for mouse and keyboard is included in the package)  |               |              |  |              |              |  |
| Watchdog Timer           | Output                 | System reset   |               |              |  |              |              |  |
|                          | Interval               | Programmable 1-255 sec   |               |              |  |              |              |  |
| Power Supply             | Output Rating          | 300W   |               |              |  |              |              |  |
|                          | Input Voltage          | 100 ~ 240 V <sub>AC</sub>  |               |              |  |              |              |  |
| Cooling                  | Fan                    | 2 (12 cm / 85 CFM each)  |               |              |  |              |              |  |
|                          | Air Filter             | Yes  |               |              |  |              |              |  |
| Miscellaneous            | LED Indicators         | Power, HDD, temperature, fan, and power voltage status   |               |              |  |              |              |  |
|                          | Remote Management      | Remote monitoring: temperature, fan speed, HD status, voltage<br>Active control: schedule on/off, remote KVM<br>Complete protection: system recovery (Acronis), system protection (McAfee) |               |              |  |              |              |  |
|                          | Rear Panel             | One 9-pin D-Sub opening  |               |              |  |              |              |  |
| Environment              | Operating Temperature  | 0 ~ 40° C (32 ~ 104° F)  |               |              | Non-Operating<br>-20 ~ 60° C (-4 ~ 140° F) |              |              |  |
|                          | Humidity               | 10 ~ 85% @ 40° C, non-condensing   |               |              | 10 ~ 95% @ 40° C, non-condensing           |              |              |  |
|                          | Vibration (5 ~ 500 Hz) | 1 Grms   |               |              | 2 G  |              |              |  |
|                          | Shock                  | 10 G (with 11 ms duration, half sine wave)   |               |              | 30 G                                       |              |              |  |
|                          | Dimensions (W x H x D) | 482 x 177 x 479 mm (19" x 7" x 18.9")  |               |              |  |              |              |  |
| Physical Characteristics | Weight                 | 15.2 kg (33.5 lb)  |               |              |  |              |              |  |

**Dimensions**

Unit: mm [inch]



**Ordering Information**

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

**System Content**

| Item         | P/N                       |
|--------------|---------------------------|
| Chassis      | ACP-4000BP-00CE           |
| Motherboard  | PCE-5127G2-00A1E          |
| Backplanes   | PCE-5B13-08A1E            |
| Power Supply | PS8-300ATX-ZBE (ATX, PFC) |

**Front View**

