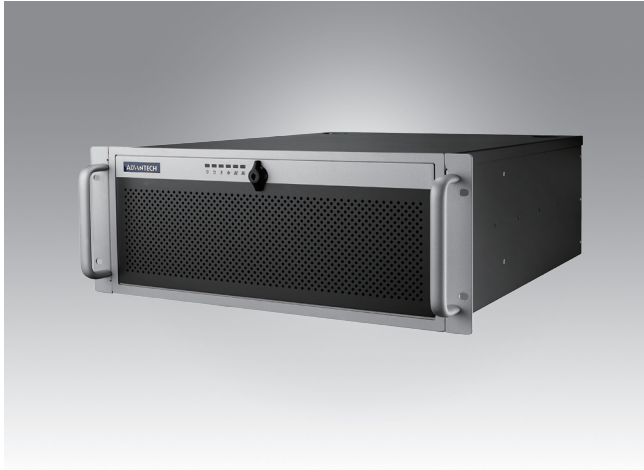# HPC-7442

## 4U Rackmount Chassis for EATX/ATX/MicroATX Motherboard with 4 Hot Swap Drive Trays

## Features

- Supports EATX/ATX/MicroATX motherboard
- Shock-resistant disk drive bay provides four hot-swap 3.5" or 2.5" SAS/SATA disk trays, one slim optical disk drive, and one 3.5" internal drive
- With optional storage upgrade kit installed, system equipped up to eight hot-swap HDD trays for higher storage capacity requirement
- Supports 80plus single and redundant power supply
- Front-accessible system fan without opening top cover for easy maintenance
- LED indicators and alarm notification for system fault detection
- Built-in Intelligent system module enabling whole system fan control and remote manageability
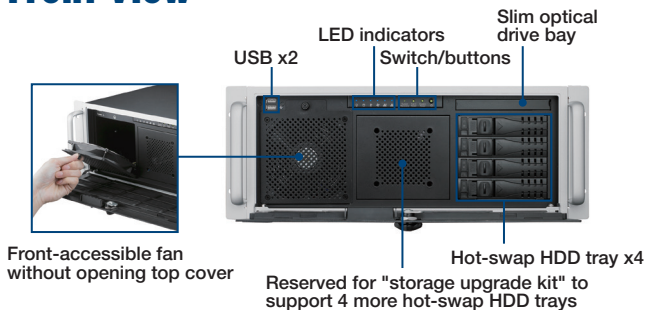
Quiet    CE FCC

## Specifications
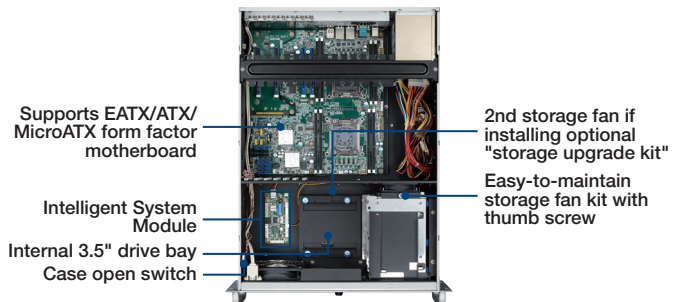
| | | External | Internal |
|---|---|---|---|
| Drive Bay | Slim Optical Drive | 1 | - |
| | 3.5" | - | 1 |
| | Hot Swap | 4 SASII / SATAIII HDDs (support upgrade to 8) | |
| Cooling | Fan* | 1 (12 cm /114 CFM) + 1 (8 cm/55 CFM) | |
| | Air Filter | Yes | |
| Front I/O Interface | USB 2.0 | 2 | |
| Miscellaneous | LED Indicators | Power, HDD, temperature, fan, LAN1, and LAN2 | |
| | Rear Panel | Five 9-pin D-Sub and one 68-pin SCSI openings | |
| Intelligent System Module Remote Monitoring | CPU/System fan speed, CPU/System temperature, motherboard voltage (Only selected Advantech MBs/CPU cards with SUSIAccess installed can fully enable these functions, check with an Advantech local rep. for detailed information.) | | |
| | | Operating | Non-Operating |
| Environment | Temperature | 0 ~ 40 °C (32 ~ 104 °F) | -40 ~ 70 °C (-40 ~ 156 °F) |
| | Humidity | 10 ~ 95% @ 40 °C, non-condensing | 10 ~ 95% @ 60 °C, non-condensing |
| | Vibration (5 ~ 500 Hz) | 1 Grms | 2 G |
| | Shock | 10 G (with 11 ms duration, half sine wave) | |
| Physical Characteristics | Dimensions (W x H x D) | 426 x 177 x 600 mm (16.7" x 7.0" x 23.6") | |
| | Weight | 18.5 kg (40.68 lb) | |

* While adding the optional "storage upgrade kit", the chassis will support four more front-accessible SAS/SATA drive trays and one more (8cm/55CFM) fan for SAS/SATA drives.
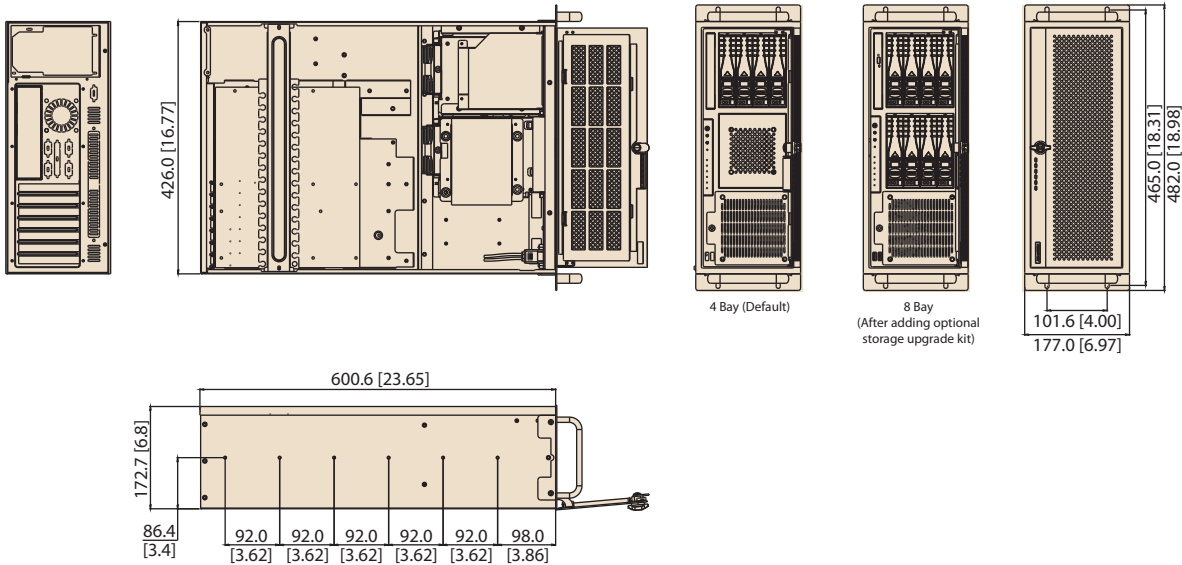
## Front View



- USB x2
- LED indicators
- Switch/buttons
- Slim optical drive bay
- Front-accessible fan without opening top cover
- Reserved for "storage upgrade kit" to support 4 more hot-swap HDD trays
- Hot-swap HDD tray x4

## Inside View



- Supports EATX/ATX/MicroATX form factor motherboard
- Intelligent System Module
- Internal 3.5" drive bay
- Case open switch
- 2nd storage fan if installing optional "storage upgrade kit"
- Easy-to-maintain storage fan kit with thumb screw

## Upgrade Features



HPC-7442 default SKU (supports 4 hot-swap HDD trays)

+

Storage upgrade kit (optional , 98R2744200E)

=

HPC-7442 8-bay SKU (supports 8 hot-swap HDD trays)

## Dimensions

Unit: mm [inch]



426.0 [16.77]

4 Bay (Default)

8 Bay
(After adding optional
storage upgrade kit)

465.0 [18.31]
482.0 [18.98]

101.6 [4.00]
177.0 [6.97]

600.6 [23.65]

172.7 [6.8]

86.4 [3.4]

92.0 [3.62]  92.0 [3.62]  92.0 [3.62]  92.0 [3.62]  92.0 [3.62]  98.0 [3.86]

## Ordering Information

| Part Number | Description |
|---|---|
| HPC-7442MB-00XE | Without PSU, with ATX switch |

## Packing List

| Part Number | Description |
|---|---|
| 9662132020E | Black mobile HDD tray |
| 1990021256T000 | Door filter |

## Power Supply Options

| Part Number | 80 Plus Grade | Wattage | Type | Input |
|---|---|---|---|---|
| PS8-400ATX-ZE | Bronze | 400W | Single | AC 100 ~ 240 V (full range) |
| PS8-500ATX-ZE | Bronze | 500W | Single | AC 100 ~ 240 V (full range) |
| PS8-700ATX-ZE | Bronze | 700W | Single | AC 100 ~ 240 V (full range) |
| RPS8-500ATX-XE | Bronze | 500W | ( 1+1 ) Redundant | AC 100 ~ 240 V (full range) |
| RPS8-750ATX-XE | Gold | 750W | ( 1+1 ) Redundant | AC 100 ~ 240 V (full range) |

## Optional Accessories

| Part Number | Description |
|---|---|
| 98R2744200E | Storage Upgrade Kit |
| 96CB-SATAPOWER-6P2 | SATA power wire 6-pin to big 4-pin (for slim ODD) |
| 96CB-SAS-SATA-4P1 | Mini SAS to 4-port SATA Cable |
| 989K008734 | Internal 3.5" to two 2.5" HDD Frame |
| 9680006905 | 26" Slide Rail |

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