HPC-7442

4U Rackmount/Tower Chassis for EATX/ATX Motherboard with Up to 8 SAS/SATA HDD Trays

NEW

Quiet CE FCC RoHS COMPLIANT 2002/95/EC

Features

- Supports EATX/ATX 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
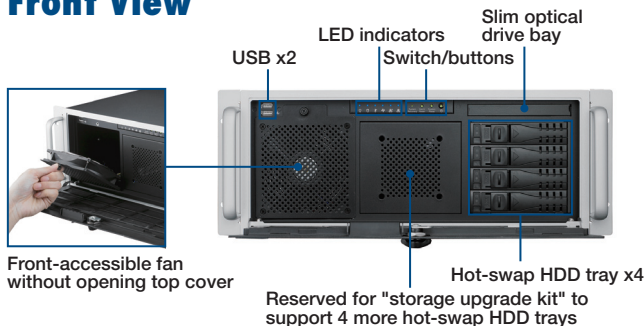- Built-in Intelligent System Module enabling whole system fan control and remote manageability
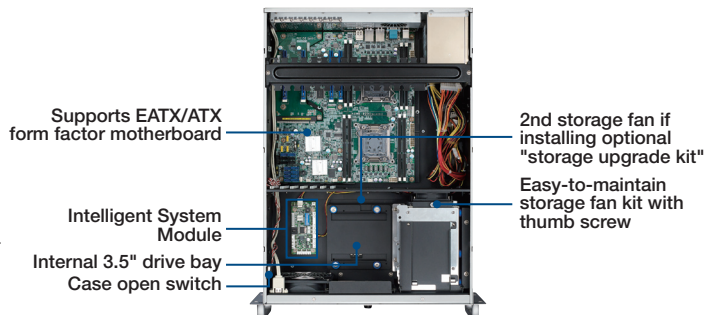
Specifications

		External	Internal
Drive Bay	Slim Optical Drive	1	-
	3.5"	-	1
	Hot Swap	4 SAS/SATA HDDs (can 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 enabled these functions, check with Advantech local rep. for detailed information.)	
		Operating	Non-Operating
Environment	Temperature	0 ~ 50° C (32 ~ 122° 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)	482 x 177 x 600 mm (19" 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.
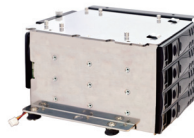
Front View

USB x2
LED indicators
Switch/buttons
Slim optical drive bay

Front-accessible fan without opening top cover

Hot-swap HDD tray x4

Reserved for "storage upgrade kit" to support 4 more hot-swap HDD trays

Inside View

Supports EATX/ATX 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 Feature

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

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Storage upgrade kit
(optional , 98R2744200E)

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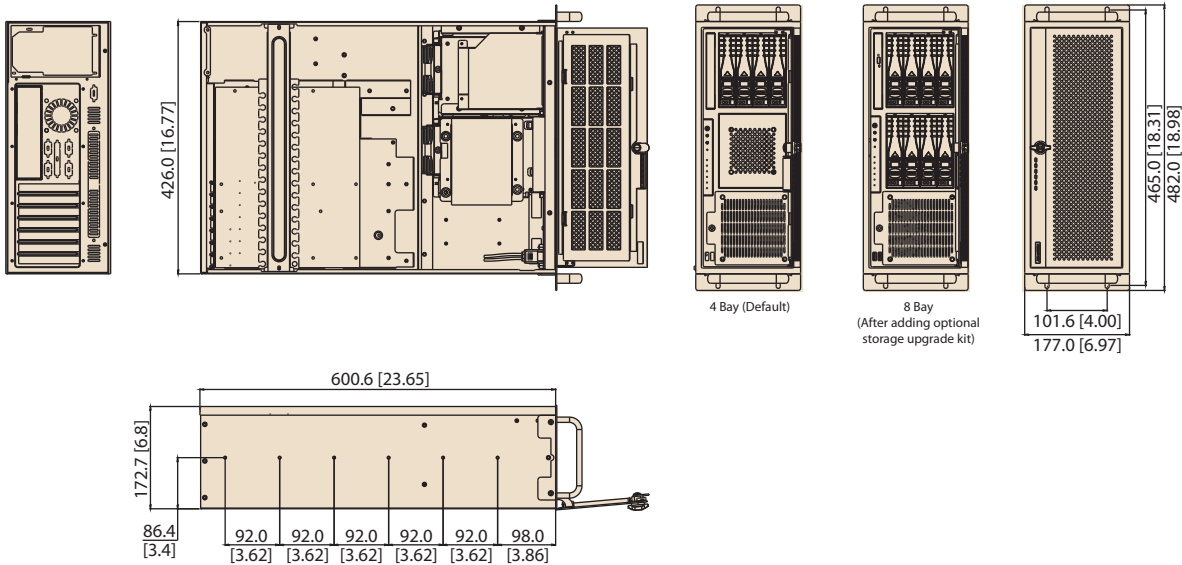HPC-7442 8-bay SKU
(supports 8 hot-swap HDD trays)

All product specifications are subject to change without notice

Last updated : 9-Sep-2014

Dimensions

Unit: mm [inch]

4 Bay (Default)

8 Bay
(After adding optional
storage upgrade kit)

426.0 [16.77]

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

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-6P1	SATA power wire 6-pin to big 4-pin (for slim ODD)

Spare Parts

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