

# HPC-7140

## 1U Rackmount Server Chassis for MicroATX/ATX Server board with 4 x 3.5" Hot-swap Drive Bays



CE FCC

### Features

- 1U rackmount server chassis supports MicroATX/ATX motherboard
- Four hot swap 3.5" SAS/SATA/SSD drive bays
- Supports 1U single and redundant power supply
- Easy swap and anti-vibration FAN design
- Two front USB and one front COM ports

### Specifications

Form Factor Support		MicroATX/ATX	
Expansion Slots		1 (Full Height / Half Length)	
Drive Bay	Slim ODD Bay	1 (ODD should be purchased separately)	
	5.25" (front-accessible)	-	
	3.5" (hot-swappable)	4 x SASII / SATAIII	
	3.5" (internal)	-	
	2.5" (hot-swappable)	Optional	
Cooling	2.5" (internal)	-	
	Chassis Fan	4 (4cm / 23CFM)	
	Air Filter	-	
System Monitoring	Chassis intrusion switch	Yes	
Front I/O Interface	USB 2.0	2	
	COM Ports	1	
Miscellaneous	LED Indicators	System : Power, LAN1, LAN2, HDD, System Information HDD Tray: HDD Power and Activity LED	
	Rear Panel	-	
Environment	Temperature	Operating 0 ~ 35 °C (32 ~ 95 °F)	Non-Operating -40 ~ 70 °C (-40 ~ 158 °F)
	Humidity	10 ~ 85% @ 40 °C non-condensing	10 ~ 95% @ 40 °C, non-condensing
	Vibration (5-500 Hz)	0.25Grms	0.5G
	Physical Characteristics	Dimensions (W x H x D)	437 x 43 x 504 mm (17.2" x 1.7" x 19.85")

### Front View



### Rear View

#### Single Power Supply SKU

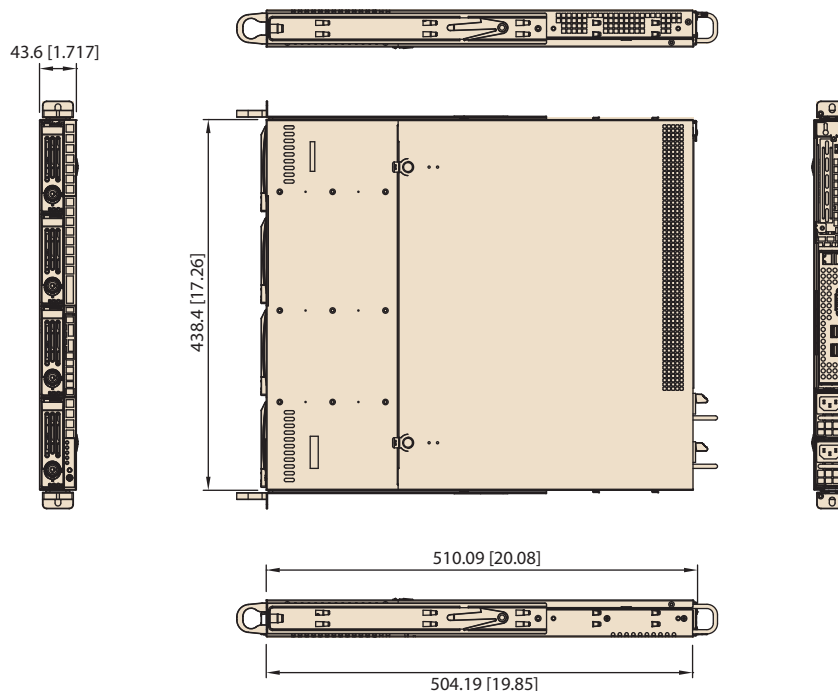


#### Redundant Power Supply SKU



## Dimensions

Unit: mm [inch]



## Ordering Information

Part Number	Description
HPC-7140-00A1E	HPC-7140 1U 4 bays server chassis (w/o SPS)
HPC-7140-R4A1E	HPC-7140 1U 4 bays server chassis (w/400W RPS)

Note: Standard HPC-7140-R4A1E does not support PMBUS function. This function is only supported on a per project basis.

## Packing List

Items	Quantity
Hot-Swap 3.5" HDD tray with SATA cable (Pre-install)	4
Accessory Box	1

## Power Supply Options

Part Number	80 Plus Grade	Wattage	Type	Input
PS8-350FATX-GB	Gold	350W	Single	AC 100 ~ 240V (full range)
PS8-500FATX-GB	Gold	500W	Single	AC 100 ~ 240V (full range)

## Optional Accessories

Part Number	Description
96CB-MSAS-SATA-4P3	Cable mini SAS to 4P SATA SGPIO 0.6m for 6Gb/s
19Z0001023T000	1U IO Shield for ASMB-584
19Z0000747T000	1U IO Shield for ASMB-784
19Z0001156T000	1U IO Shield for ASMB-585/785
19Z0000406T110	1U IO Shield for ASMB-781/782/820
19Z0000811N000	1U IO Shield for ASMB-822/813
19Z0000806T000	1U IO Shield for ASMB-823
1960082347T000	1U IO Shield for ASMB-815
1960082348T000	1U IO Shield for ASMB-825
1703040150	Type Y of Peripheral B4P Power Connector
96CB-SATAPOWER-6P2	SATA POWER ADAPTER 6PIN TO BIG 4 PIN(G) for Slim ODD
AIMB-RF10F-01A1E	1U PCIe x16 to PCIe x16 Riser Card
1990026944T000	ASMB-823 Mylar FAN DUCT for HPC-7140*
9680016633	2.5" HDD Bracket for Swappable HDD Tray
9680016685	25.6" - 33" Rail Kit for HPC-7140

\* Note:

- When using add-on RAID Card with Mini-SAS connector(s), purchasing 96CB-SAS-SATA-4P3 cable is a MUST.
- HPC-7140 does not support AIMB series motherboards.
- HPC-7140 only supports up to 30 °C when ASMB-823 has been installed.
- When installing Slim ODD in HPC-7140-R4A1E, purchasing 1703040150 is a MUST.
- Purchasing 1990026944T000 is a MUST if using dual CPUs on ASMB-823.