

# HPC-7140

## 1U Rackmount Server Chassis for MicroATX/ATX Server board with 4 x 3.5" Hot-swap Drive Bays and 1 full-height/half-length PCI-E x16 Expansion Slot



CE FCC

### Features

- 1U rackmount server chassis supports MicroATX/ATX motherboard
- Four hot swap 3.5" SAS/SATA/SSD drive bays
- Support 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	PCIe x16 Full Height / Half Length x1	
Drive Bay	Slim ODD Bay	1 (ODD should be purchased separately)
	5.25" (front-accessible)	-
	3.5" (hot-swappable)	4 x SATA III / SAS 6Gb/s
	3.5" (internal)	-
	2.5" (hot-swappable)	Optional
Cooling	2.5" (internal)	-
	Chassis Fan	4 x Swappable 40mm PWM fan module
	Air Filter	-
System Monitoring	Chassis intrusion switch	
Front I/O Interface	USB 2.0	2
	COM Ports	1
Miscellaneous	LED Indicators	System : Power, LAN1, LAN2, HDD, System Information
	Rear Panel	HDD Tray: HDD Power and Activity LED
Environment	Operating Temperature	0 ~ 35° C (32 ~ 95° F)
	Non-Operating Temperature	-40 ~ 70° C (-40 ~ 158° F)
	Humidity	10 ~ 85% @ 40° C non-condensing
	Humidity	10 ~ 95% @ 40° C, non-condensing
Physical Characteristics	Vibration (5-500 Hz)	0.25Grms
	Vibration	0.5Grms
	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

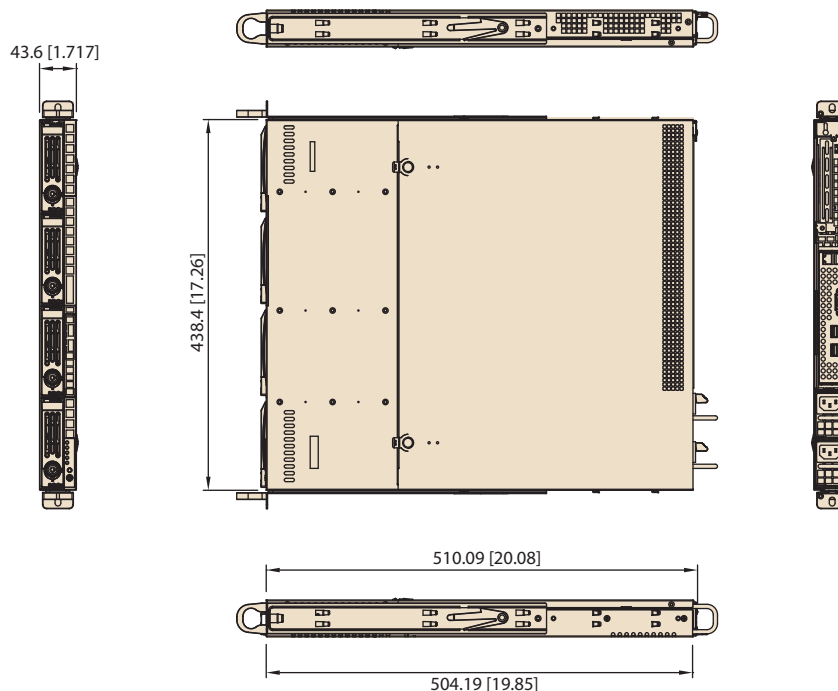


#### Redundant Power Supply SKU



## 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 only support by project-based.

## 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
XARR-CPS-2511-1A2	Bronze	250W	Single	AC 100 ~ 240V (full range)
XARR-CPS-6811-2A12	Gold	680W	Single	AC 100 ~ 240V (full range)

## Optional Accessories

Part Number	Description
96CB-SAS-SATA-4P1	Cable mini SAS to 4-port SATA*
19Z0001023T000	1U IO Shield for ASMB-584
19Z0000747T000	1U IO Shield for ASMB-784
19Z0000406T000	1U IO Shield for ASMB-781/782/820
19Z0000811T000	1U IO Shield for ASMB-822/813
19Z0000806T000	1U IO Shield for ASMB-823
1703040150	A Cable B4P-5.08/B4P-5.08*2 15cm*
96CB-SATAPOWER-6P1	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
9680016684	19" - 26.4" Rail Kit for HPC-7140
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-4P1 cable is a MUST.
- HPC-7140 does not support AIMB-701, AIMB-780, AIMB-781, AIMB-782, AIMB-784
- HPC-7140 only support up to 30° C when installed ASMB-823
- When installing Slim ODD in HPC-7140-R4A1E, purchasing 1703040150 is a MUST
- Purchasing 1990026944T000 is a MUST while using dual CPU on ASMB-823