

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 | 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 SASII / SATAIII |
| | 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 |
| | Dimensions (W x H x D) | 0.5G |
| | | 437 x 43 x 504 mm (17.2" x 1.7" x 19.85") |

Front View



Rear View

Single Power Supply SKU

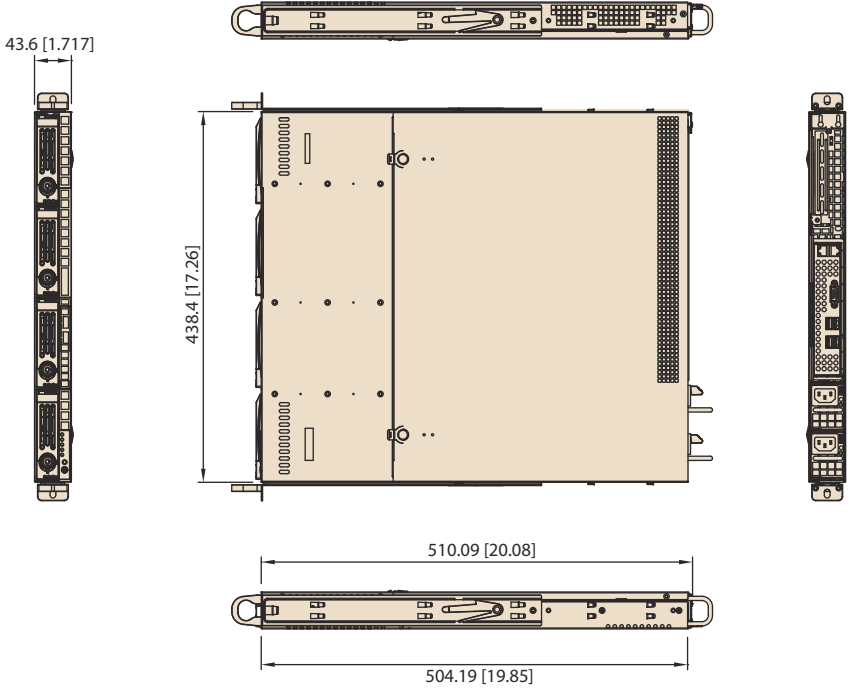


Redundant Power Supply SKU



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 |
|--------------------|---------------|---------|--------|----------------------------|
| 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 | Mini SAS to 4-port SATA Cable* |
| 19Z0001023T000 | 1U IO Shield for ASMB-584 |
| 19Z0000747T000 | 1U IO Shield for ASMB-784 |
| 19Z0000406T000 | 1U IO Shield for ASMB-781/782/820 |
| 19Z0000811N000 | 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-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-4P1 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.