# ACP-7000

## 7U 20-slot Rackmount Chassis with 6 Hot-swappable Ultra320 SCSI SCA HDD Bays and Redundant Power Supply
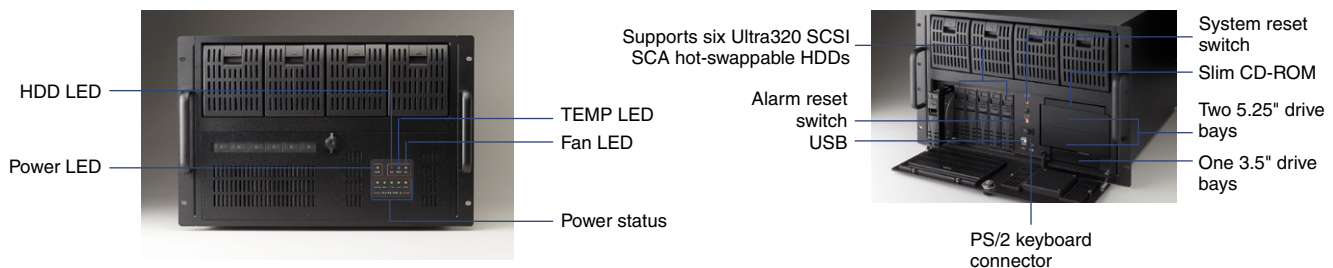
## Features

- Supports either an 20-slot backplane or a ATX motherboard. The motherboard version supports the latest high-performance server board with up to 2/4-way interleaving
- Ultra320 SCA SCSI data storage unit, which meets the SAF-TE (SCSI Accessed Fault-Tolerant Enclosure) specification
- Large-scale data storage and computer performance makes this the best choice for corporate and factory management server
- Server platform for web-enabled call center or contact center, voice portal, unified messaging and voice messaging
- Best-in-class reliability and uptime with fully hot-swappable components, including SCSI HDD storage, high-speed cooling fans, and front accessible redundant power supply, to minimize system down time
- Front-visible system alarm notification LEDs, including: system operation, system power, and SCSI storage status
- Front-accessible USB and PS/2 interfaces for easy data transferring
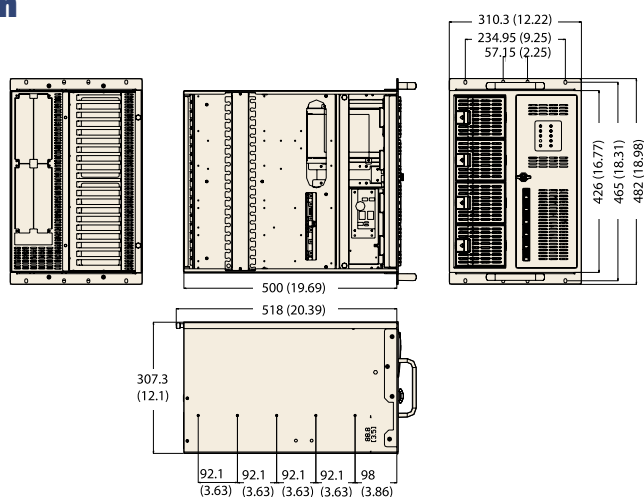- Lockable front-door prevents unauthorized access

## Specifications

| | | Front-accessible | |
|---|---|---|---|
| **Drive Bay** | Slim CD-ROM | 1 | |
| | 3.5" | 6 (hot-swap), 1 (FDD, or HDD) | |
| | 5.25" | 2 | |
| **Cooling** | Fan | 4 (57 CFM each) hot-swappable; 2 (47 CFM each) for SCSI storage unit | |
| | Air Filter | Yes | |
| **I/O Interface** | USB | 2 (front-accessible) | |
| | PS/2 | PS/2 Keyboard & mouse, or PS/2 keyboard only, depending on the enclosed CPU board | |
| **Miscellaneous** | Slide Rail | General Device C-300 series supported (not included) | |
| | | Operating | Non-Operating |
| **Environment** | Temperature | 0 ~ 40 °C (32 ~ 104 °F) | -20 ~ 60 °C (-4 ~ 140 °F) |
| | Humidity | 10 ~ 85 % @ 40 °C, non-condensing | 10 ~ 95 % @ 40 °C, non-condensing |
| | Vibration (5-500 Hz) | 1 Grms | 2 G |
| | Shock | 10 G (with 11 ms duration, half sine wave) | 30 G |
| | Acoustic Noise | Less than 52 dB sound pressure at 5 ~ 28 °C (41 ~ 82 °F) | |
| | Altitude | 0 to 3,048 m (0 ~ 10,000 ft) | |
| **Physical Characteristics** | Dimensions (W x H x D) | 482 x 307 x 500 mm (19" x 12.1" x 19.7") | |
| | Weight | 35 kg (77 lb) | |

HDD LED
Power LED
TEMP LED
Fan LED
Power status

Supports six Ultra320 SCSI SCA hot-swappable HDDs
Alarm reset switch
USB
PS/2 keyboard connector
System reset switch
Slim CD-ROM
Two 5.25" drive bays
One 3.5" drive bays

1 Industrial Motherboards
2 Industrial Motherboard Chassis
3 PICMG Single Board Computers
4 Industrial Computer Chassis
5 Industrial Computer Peripherals
6 6U CompactPCI Enclosures
7 6U CompactPCI Boards
8 6U CompactPCI I/O
9 6U CompactPCI Accessories
10 3U CompactPCI Systems
11 Internet Security Platforms
12 Network Application Ready Platforms

# Dimension Diagram

310.3 (12.22)
234.95 (9.25)
57.15 (2.25)

426 (16.77)
465 (18.31)
482 (18.98)

500 (19.69)

518 (20.39)

307.3 (12.1)

92.1 (3.63)  92.1 (3.63)  92.1 (3.63)  92.1 (3.63)  98 (3.86)

Unit: mm (inch)

# Power Supply Options

| Part Number | Specifications | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| | Watt | Input | Output | Mini-load | Safety | MTBF |
| 1757946010 (for ACP-7000BP)<br><br>1757946007 (for ACP-7000MB) | 460 W ATX PFC | AC 100 ~ 240 V (Full-range) | +5 V @ 42 A<br>+3.3 V @ 20 A<br>+12 V @ 14 A<br>-5 V @ 1 A<br>-12 V @ 1 A<br>+5 Vsb @ 0.75 A | +5 V @ 2 A<br>+3.3 V @ 0.2 A<br>+12 V @ 0.5 A | UL/TUV/CB/CCC | 100,000 hours @ 25 °C |
| 1757957002 (for ACP-7000BP)<br><br>1757957001 (for ACP-7000MB) | 570 W ATX PFC | AC 115 ~ 230 V (Full-range) | +5 V @ 50 A<br>+3.3 V @ 40 A<br>+12 V @ 34 A<br>-12 V @ 1 A<br>-5 V @ 1 A<br>+5 Vsb @ 1.2 A | +5 V @ 6 A<br>+3.3 V @ 2 A<br>+12 V @ 3 A<br>-12 V @ 0.1 A<br>-5 V @ 0.1 A<br>+5 Vsb @ 0.1 A | UL/TUV/CB | 100,000 hours @ 25 °C |
| 1757981000 (for ACP-7000BP)<br><br>1757981001 (for ACP-7000MB) | 810 W ATX PFC | AC 115 ~ 230 V (Full-range) | +5 V @ 75 A<br>+3.3 V @ 60 A<br>+12 V @ 51 A<br>-12 V @ 1.5 A<br>-5 V @ 1.5 A<br>+5 Vsb @ 1.6 A | +5 V @ 9 A<br>+3.3 V @ 3 A<br>+12 V @ 4.5 A<br>-12 V @ 0.15 A<br>-5 V @ 0.15 A<br>+5 Vsb @ 0.15 A | UL/TUV/CB/CCC | 100,000 hours @ 25 °C |

# Passive Backplane Options

| Part Number | Slot | Segment |
| --- | --- | --- |
| PCA-6120-0B1 | 20 ISA | Single |
| PCA-6120P4-0B1 | 14 ISA, 4 PCI, 2 PICMG | Single |
| PCA-6119P7-0B1 | 10 ISA, 7 PCI, 2 PICMG | Single |
| PCA-6120P12-0A1 | 7 ISA, 11 PCI, 1 PICMG/PCI, 1 PICMG | Single |
| PCA-6119P17-0B1 | 16 PCI, 1 PICMG/PCI, 1 PICMG | Single |
| PCA-6119P16X | 1 ISA, 16 PCI, 2 PICMG | Single |
| PCA-6120P18-0A1 | 1 ISA, 17 PCI, 1 PICMG, 1 PICMG/ PCI | Single |

Four hot-swap cooling fans with filter

# Ordering Information

| Part Number | Power Supply | Backplane | Regulation |
| --- | --- | --- | --- |
| ACP-7000BP-46R | 1757946010 (1+1 redundant) | -- | UL, cUL, CE |
| ACP-7000BP-57N | 1757957002 (2+1 redundant) | -- | UL, cUL, CE |
| ACP-7000BP-81N | 1757981000 (3+1 redundant) | -- | UL, cUL, CE |
| ACP-7000MB-46R | 1757946007 (1+1 redundant) | (Motherboard version) | None |

Hot-swap redundant power supply