

# ACP-4340

## 4U Rackmount Chassis for Full-size SHB/SBC or ATX/MicroATX Motherboard with 4 Hot Swap Drive Trays



### Features

- Supports a PICMG backplane with up to 14 slots or an ATX/Micro-ATX motherboard
- Shock-resistant disk drive bay holds four hot-swap 3.5" and 2.5" SATA disk trays, one slim optical disk drive, and one 2.5" internal drive
- Dual front USB 3.0 ports
- 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

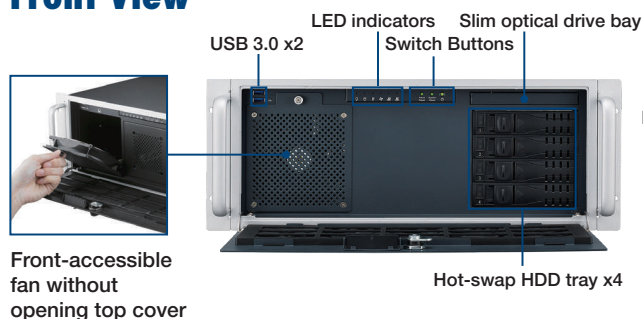
### Quiet Specifications

CE FCC

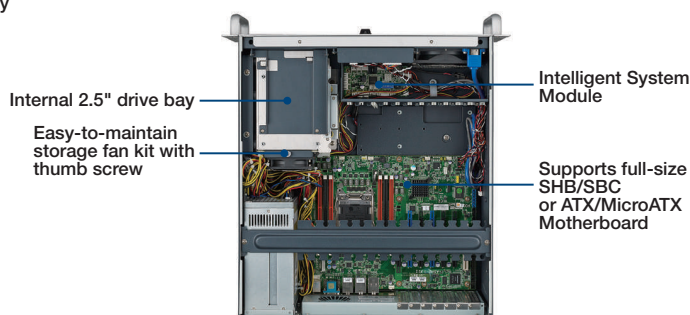
|                           |                                                                                                                                               | External                                                                                                          | Internal                                   |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| Drive Bay                 | Slim Optical Drive Bay                                                                                                                        | 1                                                                                                                 | -                                          |
|                           | 3.5"                                                                                                                                          | -                                                                                                                 | -                                          |
|                           | 2.5"                                                                                                                                          | -                                                                                                                 | 1                                          |
|                           | Hot Swap                                                                                                                                      | 4 (Compatible with 3.5" or 2.5" devices)                                                                          | -                                          |
| Cooling                   | Fan                                                                                                                                           | 1 (12 cm PWM fan /82 CFM) + 1 (8 cm DC fan /52 CFM) for SATA storage unit                                         |                                            |
|                           | Air Filter                                                                                                                                    | Yes                                                                                                               |                                            |
| Front I/O Interface       | USB 3.0*                                                                                                                                      | 2                                                                                                                 |                                            |
| Miscellaneous             | LED Indicators                                                                                                                                | Power, HDD, temperature, fan, LAN1, and LAN2                                                                      |                                            |
|                           | Rear Panel                                                                                                                                    | Backplane version: One 9-pin D-Sub opening<br>Motherboard version: Five 9-pin D-Sub and one 25-pin D-Sub openings |                                            |
| System Monitoring         |                                                                                                                                               | Chassis intrusion switch                                                                                          |                                            |
| Intelligent System Module | CPU/System fan speed, CPU/system temperature                                                                                                  |                                                                                                                   |                                            |
| Hardware Monitoring       | (Only Advantech AIMB-78X, PCE-51XX/71XX mainboards can enable CPU fan speed and temperature monitoring function of Intelligent System Module) |                                                                                                                   |                                            |
| Environment               | Temperature                                                                                                                                   | Operating<br>0 ~ 40 °C (32 ~ 104 °F)                                                                              | Non-Operating<br>-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)                                                                        |                                            |
|                           | Physical Characteristics                                                                                                                      | Dimensions (W x H x D)<br>482 x 177 x 479 mm (19" x 7.0" x 18.8")                                                 |                                            |
|                           | Weight                                                                                                                                        | 12.5 kg (27.5 lb)                                                                                                 |                                            |

The USB 3.0 ports do not operate if the motherboard has no on-board USB 3.0 box header.

### Front View



### Inside View



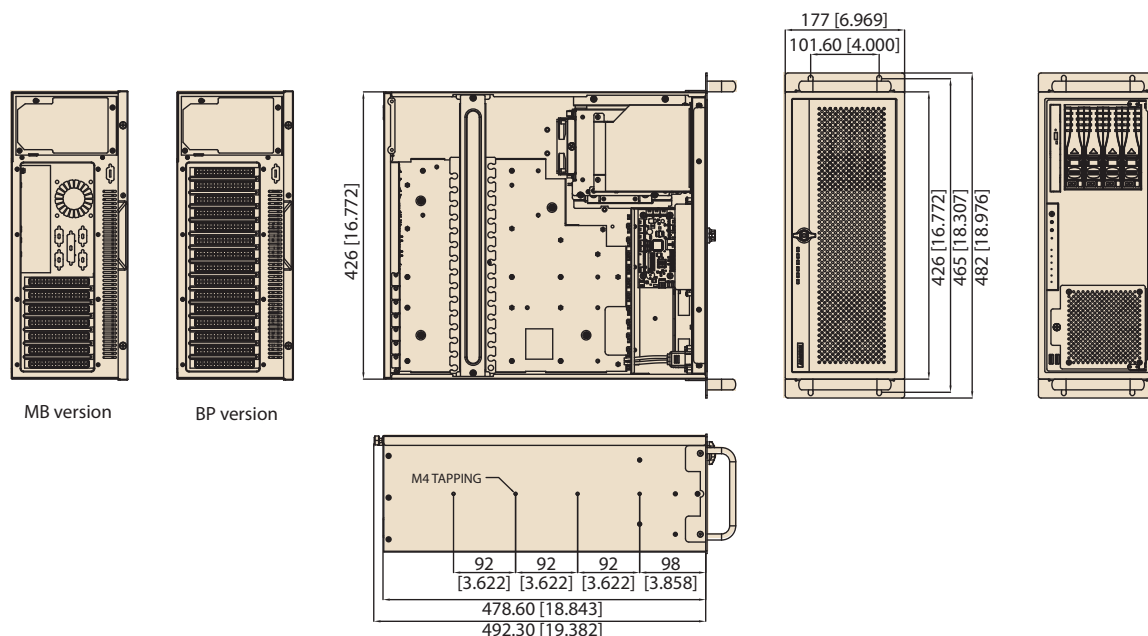
### Rear View



\*Note: Backplane, SBC, motherboard, and power supply are not included.

## Dimensions

Unit: mm [inch]



## Ordering Information

| Part Number                    | Power supply   | Power supply type | Wattage | 80 plus grade | Switch type |
|--------------------------------|----------------|-------------------|---------|---------------|-------------|
| <b>Backplane Version</b>       |                |                   |         |               |             |
| ACP-4340BP-50B                 | PS8-500ATX-BB  | Single            | 500W    | Bronze        | ATX         |
| ACP-4340BP-50RB                | RPS8-500ATX-GB | 1+1 redundant     | 500W    | Gold          | ATX         |
| <b>Motherboard Version</b>     |                |                   |         |               |             |
| ACP-4340MB-50B                 | PS8-500ATX-BB  | Single            | 500W    | Bronze        | ATX         |
| ACP-4340MB-70B                 | PS8-700ATX-BB  | Single            | 700W    | Bronze        | ATX         |
| ACP-4340MB-50RB                | RPS8-500ATX-GB | 1+1 redundant     | 500W    | Gold          | ATX         |
| <b>DC power supply Version</b> |                |                   |         |               |             |
| ACP-4340MB-50DB                | 96PS-D500WPS2  | Single            | 500W    | Bronze        | ATX         |
| ACP-4340MB-50RDB               | 96PSR-D500WMIN | 1+1 redundant     | 500W    | Bronze        | ATX         |

## Packing List

| Part Number                     | Description                                        | Quantity |
|---------------------------------|----------------------------------------------------|----------|
| ACP-4340                        | 4U chassis with handle set                         | 1        |
| 1750008561-01                   | system fan                                         | 1        |
| 1750006808-01                   | Hot-swap module fan                                | 1        |
| 1700030260-01                   | system fan cable (MB version)                      | 1        |
| 1700019426                      | Hot-swap module fan cable (MB version)             | 1        |
| 1700029691-01                   | system fan cable (BP version)                      | 1        |
| 1703030254                      | Hot-swap module fan cable (BP version)             | 1        |
| 98R2132000E                     | Hot-swap tray                                      | 4        |
| 1990021256T000                  | Door filter                                        | 1        |
| 1960002462                      | key set                                            | 1        |
| <b>Content of Accessory Box</b> |                                                    |          |
| 98R24340000                     | Handle set                                         | 1        |
|                                 | Screws/nuts and rubber for motherboard and devices | one bag  |
| 2006434001                      | User manual                                        | 1        |

## Optional Accessories

| Part Number        | Description                                                                              |
|--------------------|------------------------------------------------------------------------------------------|
| 96CB-SATAPOWER-6P2 | SATA power wire 6-pin to big 4-pin (for slim ODD)                                        |
| 1700029268-01      | Power cable for GPU card (Two 4-pin 12V connectors to one 6+2 pins PCIe power connector) |
| 1700024754-01      | Power cable for GPU card (Two B4P Molex connectors to one 6+2 pins PCIe power connector) |

\* If GPU card with 2 power connectors, please use 1700029268-01\*1 + 1700024754-01\*1;  
If GPU card with 1 power connector, please use 1700029268-01.

\* Only 500W or higher wattage PSU support 1700029268-01 and 1700024754-01 for high-end GPU card.