To ensure safe and easy installation, please read the following precautions.
1 Cautionary Note

1) Please read this manual thoroughly prior to installation.

2) Before installing, check the components and condition of the product, and if any problem is found, contact the retailer.

3) Avoid inserting objects or hands into the system while it is in operation to prevent product damage and injuries.

4) Check the manual when connecting cables. Incorrect connections may cause short circuits leading to fire hazards.

5) Do not block the front intake vent or the rear exhaust vent.

6) Keep this unit away from heat sources, direct sunlight, water, oil, and humid environments, and place the unit on a flat, stable, vibration-free, and well-ventilated area.

7) Do not clean the product surface with chemicals or wet cloth. (chemicals: industrial brightener, wax, benzene, alcohol, paint thinner, mosquito repellent, aromatics, lubricant, detergent etc.)

8) Please wear gloves while handling this product to prevent injuries.

9) Product design and specifications may be revised to improve quality and performance.

Disclaimer) Zalman Tech Co., Ltd. is not responsible for any damages due to external causes, including but not limited to, improper use, problems with electrical power, accident, neglect, alteration, repair, improper installation, or improper testing.
# Product Details

## (1) Specifications

<table>
<thead>
<tr>
<th>Model Name</th>
<th>Z12</th>
<th>Z12 Plus</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Type</strong></td>
<td>ATX Mid Tower</td>
<td></td>
</tr>
<tr>
<td><strong>Dimensions (W x H x D)</strong></td>
<td>215(W) x 470(H) x 480(D) mm 8.4(W) x 18.5(H) x 18.8(D) inch</td>
<td></td>
</tr>
<tr>
<td><strong>Materials</strong></td>
<td>Plastic(ABS) / Steel</td>
<td></td>
</tr>
<tr>
<td><strong>Color</strong></td>
<td>Black</td>
<td></td>
</tr>
<tr>
<td><strong>Motherboard Compatibility</strong></td>
<td>Standard ATX / Micro ATX</td>
<td></td>
</tr>
<tr>
<td><strong>Power Supply Compatibility</strong></td>
<td>Standard ATX / ATX 12V</td>
<td></td>
</tr>
<tr>
<td><strong>PCI/AGP Compatibility</strong></td>
<td>Full Size (290mm/11.4 inch)</td>
<td></td>
</tr>
<tr>
<td><strong>Drive Bays</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5.25&quot;</td>
<td>External Bay x 4</td>
<td></td>
</tr>
<tr>
<td>3.5&quot;</td>
<td>Internal Bay x 5</td>
<td></td>
</tr>
<tr>
<td>2.5&quot;</td>
<td>Internal Bay x 1</td>
<td></td>
</tr>
<tr>
<td>Common (3in1)</td>
<td>Internal Bay 5.25&quot;/3.5&quot;/2.5&quot; x 1 (3in-1)</td>
<td></td>
</tr>
<tr>
<td><strong>Cooling Components</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Front</td>
<td>1 x 120mm Fan (1 Blue LED Fan Included)</td>
<td></td>
</tr>
<tr>
<td>Rear</td>
<td>1 x 120mm Fan (1 Fan Included)</td>
<td></td>
</tr>
<tr>
<td>Top</td>
<td>2 x 120mm Fan (2 Optional)</td>
<td>2 x 120mm Blue LED Fan (1 LED Fan Included, 1 Optional)</td>
</tr>
<tr>
<td>Bottom</td>
<td>1 x 120mm Fan (1 Optional)</td>
<td></td>
</tr>
<tr>
<td><strong>Fan Controller</strong></td>
<td>-</td>
<td>2 channel</td>
</tr>
<tr>
<td><strong>Front I/O Port Panel</strong></td>
<td>Headphones x 1, Mic x 1, USB 2.0 x 2, USB 3.0 x 2</td>
<td></td>
</tr>
<tr>
<td><strong>Expansion Card Slots</strong></td>
<td>7</td>
<td></td>
</tr>
</tbody>
</table>
(2) Parts

- User manual
- Stand-Off × 5
- Bolt A (#6-32*6mm) × 11
- Bolt B (M3*5mm) × 17
- Bolt C (M3*6mm) x 12
- Bolt D (#6-32*4mm) × 20
- Bolt E (#6-32*6mm) × 5
- HDD Anti-vibration rubber × 20
- PCI Slot × 2
- CPU 12V Extension Cable × 1
- Cable Tie × 5
3 Installation

(1) Side Panel Removal

(2) Motherboard Installation

There are 4 Stand Offs preinstalled. Please refer to the diagrams below for additional Stand Off positions (based on motherboard type).
(3) 5.25” and 3.5” Drive Installation

1) Front Cover Removal

2) ODD Installation

3) 2.5” / 3.5” Tray Installation
   ① Tray removal

Bolt C
(4) Front Cover Installation

When removing the front cover, the power switch and extension cable are separated to prevent disconnection. Be sure to connect the cables with matching colors before installing the front cover.
(5) 3.5” HDD Installation

When transporting an assembled system, please secure the HDD with Bolt E as shown above.

When removing HDD, pull the fastening lever outwards and then remove it.

(6) Cable Connection

Power Button

Fan Connection

Power LED

or

Power

PSU Power

Fan

Fan

Mother Board
(7) 2.5” HDD / SSD Optional

2.5” HDD and SSDs can be installed on the right side of case as shown in the diagram below.

(8) Optional Fan Installation and Replacement

Top Panel Fan (120/140 mm) Installation

When installing fan, press the Top Panel’s eight Hook’s towards each other to remove and install as shown in diagram below. The Z12 comes with one 120mm Fan pre-installed.