## Version history

<table>
<thead>
<tr>
<th>Issue number</th>
<th>Reason for update</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0 / January 2020</td>
<td>Initial release</td>
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</table>
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1 Disassembly and recycling

1.1 Recycling information

This manual provides instructions to disassemble the PRIMEHPC FX700.

All materials can be disposed according to the regulation in the EU Directive 2012/19 / EU (Waste Electrical and Electronic Equipment (WEEE)).

Product group: Server
Model: PRIMEHPC FX700

<table>
<thead>
<tr>
<th>Description</th>
<th>Part</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Circuit boards</td>
<td>BMCB</td>
<td>1</td>
</tr>
<tr>
<td>With a surface larger than 10 cm^2</td>
<td>BMCIFB</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>PSUBP</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>CMB</td>
<td>1-4</td>
</tr>
<tr>
<td></td>
<td>CMUIFB</td>
<td>1-4</td>
</tr>
<tr>
<td></td>
<td>PANELB</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>PCI card</td>
<td>1-8</td>
</tr>
<tr>
<td></td>
<td>M.2 SSD</td>
<td>1-8</td>
</tr>
<tr>
<td>Batteries</td>
<td>Lithium battery CR2032</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>(on BMCB)</td>
<td></td>
</tr>
<tr>
<td>Mercury-containing components</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Liquid crystal displays (optionally together with the housing) with a surface of more than 100 cm^2 and backlit displays with gas discharge lamps</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Cathode ray tubes</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>PCB-containing capacitors (PCB: polychlorinated biphenyls)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Electrolytic capacitors containing substances of concern (height&gt; 25 mm, diameter:&gt; 25 mm or proportionally similar volume)</td>
<td>Power supply unit</td>
<td>2-3</td>
</tr>
<tr>
<td>External cables</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Gas discharge lamps</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Plastics containing brominated flame retardants</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>
1.2 Disassembly

Not all components are installed in the server depending on the configuration.

1.2.1 Removing the Chassis and Mounting Rail in the Rack

Tools: Phillips PH2 / (+) No. 2 screw driver

Recycling parts

- Metal
- Several screws

1.2.1.1 Removing the all FANU

![Figure 1 Removing the front panel](image)

- Unscrew the two screws (1) and remove the front panel in the direction of the arrow.
While the first lock is unlocked (1), pull out the FANU in the direction of (2).

The following shows the holding positions when you remove a FANU.

### Table 1: Holding Positions When Removing a FANU

<table>
<thead>
<tr>
<th></th>
<th>Thumb</th>
<th>Index Finger</th>
</tr>
</thead>
<tbody>
<tr>
<td>Right-hand operation</td>
<td>C</td>
<td>B</td>
</tr>
<tr>
<td>Left-hand operation</td>
<td>B</td>
<td>A</td>
</tr>
</tbody>
</table>
While the second lock for fall prevention is unlocked (3), pull out the FANU.

1.2.1.2 Removing the all PSU

While the lock is unlocked, pull the handle to remove the PSU from the slot (1).
1.2.1.3 Removing the Dummy PSU

![Image](image1.png)

Figure 6 Removing the Dummy PSU

➢ While the lock is unlocked (1), pull the handle to remove the dummy PSU from the slot (2).

1.2.1.4 Removing the all Blade

![Image](image2.png)

Figure 7 Removing the all Blade

➢ While the lock is unlocked, pull the handle to remove the blade from the slot (1).
1.2.1.5 Removing the all Dummy Blade

![Image of removing all dummy blade](image)

Figure 8 Removing the all Dummy Blade

- Unlock the lock on the release lever, grasp the pull handle, and pull out the dummy blade from the slot (1).

1.2.1.6 Removing the Chassis

![Image of removing chassis](image)

Figure 9 Removing the Chassis
1.2.1.7 Removing the Mounting Rail

Figure 10 Screw Positions on the Rail
➢ Unscrew the four screws on the sliding part of the right rail.

Figure 11 Rear of the Rail
➢ Unscrew the two screws rear of the rail.
Unscrew the two screws front of the rail and removing the rail.

Figure 12 Front of the Rail
1.2.2 Removing the Top Cover

**Tools:** Phillips PH2 / (+) No. 2 screw driver

**Recycling parts**

- Metal
- Several screws

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Figure 13 Screw positions on the top cover

- Unscrew the four screws on the top cover.

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Figure 14 Removing the top cover
1.2.3 Removing the BMCIFB

**Tools:** Phillips PH2 / (+) No. 2 screw driver
Nipper

**Recycling parts**
- Metal
- Several screws
- Cable
- Printed circuit board

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**Figure 15 Top of the Server**
- Disconnecting the cable connector(1).
- Unscrew a screw(2).
Figure 16 Removing the BMCIFU
➢ Removing the BMCIFU from the chassis.

Figure 17 Removing the cable
➢ Cut the cable ties. (1)
➢ Disconnecting a cable connector.(2)

Figure 18 Screw positions on the BMCIFB
➢ Unscrew the three screws on the BMCIFB.
1.2.4 Removing the PANELB

**Tools:** Phillips PH2 / (+) No. 2 screw driver

**Recycling parts**
- Metal
- Plastic
- Several screws
- Cable
- Printed circuit board

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**Figure 19 Top of the Server**
- Disconnecting a cable connector (1).
- Unscrew a screw (2).
- Removing a PANELU (3).
Figure 20 Removing the PANELB, Screw, Bracket and Lends

Figure 21 Disconnecting a cable connector
1.2.5 Removing the BMCB and PSUBP

**Tools:** Phillips PH2 / (+) No. 2 screw driver
Phillips PH1 / (+) No. 1 screw driver

**Recycling parts**

<table>
<thead>
<tr>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metal</td>
</tr>
<tr>
<td>Plastic</td>
</tr>
<tr>
<td>Several screws</td>
</tr>
<tr>
<td>Cable</td>
</tr>
<tr>
<td>Printed circuit board</td>
</tr>
</tbody>
</table>

Figure 22 Top of the Server
➢ Unscrew the three screws.

Figure 23 Removing the BMCU
Figure 24 Removing the PSUBP

➢ Disconnecting a cable connector(1).
➢ Unscrew the eight screws.
➢ Removing the PSUBP and Bracket
Figure 25 Removing the Bus bar
➢ Disconnecting a cable connector(1).
➢ Unscrew the four screws.
➢ Removing the two Bus bars.

Figure 26 Removing the Screw
➢ Removing the four screws and Cover.

➢ Removing the five screws and Bus bar.
Unscrew the four screws.

Disconnecting the two connector.

Unscrew the eight screws.

Removing the MID PLAN.
Unscrew the two screws.

Removing a Cable.

Unscrew the eleven screws.

Removing the BMCB.

Figure 31 Removing a Cable

Figure 32 Removing the BMCB
1.2.6 Removing the Battery

**Tools:** pin

<table>
<thead>
<tr>
<th>Recycling parts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery</td>
</tr>
</tbody>
</table>

Figure 33 Position of Battery on the BMCB

Figure 34 Method of taking out of Battery

- Insert pin, rod or finger in the gap between bottom of holder and battery, lift up battery.
- Take out battery from holder holding it on stopper momentary.
1.2.7 Removing the FAN

**Tools:** Phillips PH2 / (+) No. 2 screw driver

<table>
<thead>
<tr>
<th>Recycling parts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metal</td>
</tr>
<tr>
<td>Plastic</td>
</tr>
<tr>
<td>Several screws</td>
</tr>
<tr>
<td>Cable</td>
</tr>
<tr>
<td>FAN modules</td>
</tr>
</tbody>
</table>

![Diagram of FAN and Bracket]

**Figure 35 Removing a Bracket**

➢ Unscrew a screw.
➢ Removing a bracket.
Figure 36 Removing the Fan unit
➢ Unscrew two screws.
➢ Disconnecting a connector.(1)
➢ Removing the fan unit.

Figure 37 Removing a Clamp
Unscrew the eight screws.

Removing two fans.
1.2.8 Removing the CMB and CMBIFB

**Tools:** Phillips PH2 / (+) No. 2 screw driver
- Hex key (3mm)

**Recycling parts**
- Metal
- Plastic
- Several screws
- Cable
- Printed circuit board

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**Figure 39 Removing the PCI Riser**
- Unscrew the two screws.
- Removing the PCI Riser.
Figure 40 Removing the CMBIFB
➢ Disconnecting the three connectors. (1)
➢ Unscrew the three screws.
➢ Removing the CMBIFB.

Figure 41 Removing the Bracket
➢ Unscrew the four screws.
➢ Removing the bracket.
Figure 42 Removing the two Heatsinks

➢ Unscrew the four screws.
➢ Removing the two heatsinks.

Figure 43 Removing the two Heatsinks

➢ Removing the eight screws.
➢ Removing the two heatsinks.
Unscrew the seven screws.

Removing the CMB.

Figure 44 Removing the CMB

Figure 45 Removing the two Bolster plates
1.2.9 Removing the M.2 SSD

**Tools:** Phillips PH2 / (+) No. 2 screw driver

![Diagram of M.2 SSD and CMB](image)

Figure 46 Position of M.2 SSD on the CMB

![Diagram showing M.2 SSD removal](image)

Figure 47 Position of M.2 SSD on the CMB

- Unscrew a screw (1)
- Removing the M.2 SSD (2)
1.2.10 Removing the PCI card

**Tools:** Phillips PH2 / (+) No. 2 screw driver

**Recycling parts**
- Metal
- Screw
- Printed circuit board

![Figure 48 Removing the PCI Card](image)

- Unscrew a screw.(1)
- Removing the PCI Card
➢ Unscrew the two screws.
➢ Removing the PCI Riser card.

Figure 49 Removing the PCI Riser card