1. AC Cord Clamp Installation

1) Insert the anchor into the hole next to the AC inlet.
2) Plug in the AC cord.
3) Adjust the strap length to fit.
4) Wrap the AC cord clamp around the AC cord.
5) Gently pull on the AC cord to ensure it has been securely plugged in.

2. Opening / Closing the Front Panel

Opening the Front Panel

The front panel may be difficult to open or close if the USF frame is placed on a desk, and may be damaged if it is forced to open. Perform the following steps after setting the frame in a rack.

1. Loosen the two thumbscrews on the front panel by turning them counterclockwise.
2. Pull out the front panel using the pull handles. The fan stops while the front panel is open.

Closing the Front Panel

1. Grab both handles, tilt up the front panel until it is aligned and push the front panel back into the frame body.
2. The front panel can be detached by gently pushing both rails inward.
3. Fully draw out the front panel.
4. Push the front panel straight into the frame body.

3. Detaching / Attaching the Front Panel

Detaching the Front Panel

1. Gently push rails on both sides inward, respectively lift the tab into the aperture of the guide rail. Handle the front panel carefully so as not to bend the rails.

Attaching the Front Panel

1. Pull out the front panel.
2. The front panel rails can be tilted down.
3. Tighten two screws in both sides to secure the front panel.

4. Front Interior

The slot configuration as shown below is revealed when the front panel is removed.

<table>
<thead>
<tr>
<th>No.</th>
<th>Slot Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1)</td>
<td>Power Supply 1 Slot</td>
<td>Dedicated power unit installed in this slot as standard.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Power is supplied when the power supply switch is turned on.</td>
</tr>
<tr>
<td>(2)</td>
<td>Power Supply 2 Slot</td>
<td>Slot for redundant power supply USF-212PS. Redundant operation available if optional USF-212PS is installed. A blank panel will otherwise cover the slot.</td>
</tr>
<tr>
<td>(3)</td>
<td>Control Card Slot</td>
<td>Slot for network control card. Enables SNMP monitoring through LAN ports on the rear panel and alarm output from the ALARM connector and allows control over the all slot modules.</td>
</tr>
<tr>
<td>(4)</td>
<td>USF Module Slots</td>
<td>Dedicated USF module slots. (Front USF modules) For details on module operation, refer to the respective operation manuals.</td>
</tr>
</tbody>
</table>
5. USF Module Installation

Module installable slots vary depending on the USF module type. (See “Installation Slots for Front and Rear Modules” below.) If multiple free slots exist, do not install modules side-by-side but leave slots open to prevent overheating.

The procedure for installing the USF module in Slot 1 is described below as an example.

**Installing USF Rear Module**

1. Open the front panel and shut down the USF-212BS power supply.
2. Slot 1 is the top slot in the left module block on the rear panel. Remove the blank panel by detaching the two screws on both ends. Keep the blank panel and screws in a safe place after removal.
3. Install the rear module into the slot and fasten both supplied screws.

**Installing a USF Front Module**

* Always install the rear module first, then the front module.

(1) Slot 1 is the top slot in the right block of the front panel. (Refer to 4. “Front Interior”)
(2) Set the front module on the guide rail and carefully insert the front module slowly.
(3) Push the handle until the front module clicks into the connectors.

**Installation Slots for Front and Rear Modules**

* Refer to Module Operation Manuals for USF-10IP series.

**<TYPE1>**

Front: 1 slot (All slots)  
Rear: 1 slot (All slots)

**<TYPE2>**

Front: 1 slot (Even slots only)  
Rear: 2 slots (Upper and Lower)

**<TYPE3>**

Front: 1 slot (Odd slots only)  
Rear: 2 slots (Upper and lower)

**Modules that can be remotely controlled from a PC**

Modules can be remotely controlled from a PC require installation of both Processor Control GUI Launcher and GUI Control Software.

**<TYPE1>**

Installable modules:

- 10SDADA (402AADC)
- 10BADA (101BUX)
- 1040VEA (1013DEMUX)
- 1053DAD (1043FS)
- 105SDDA (105FS-12G)
- 105SDDA-12G (1043VM)
- 204ADAC (805DCS)

**<TYPE2>**

Installable modules:

- 1100VEA (1043SS)
- 1044UUC (1043VTG-LI)

**<TYPE3>**

Installable modules:

- 106UDC-12G (101MDX-12G)
- 106DC-12G (101MDX-12G)
- 106TICO-12G (111DDA-12G)

- USF modules come as front and rear sets. Be sure to install set modules (front and rear) into their proper slots.
- Install blank panels over free slots to prevent foreign material from entering and overheating the chassis.

**6. Connecting USF-212BS from a PC**

USF-212BS can be monitored by the Web GUI or an SNMP Manager and generate alarms to indicate errors or warnings over LAN.

The module provides two LAN connection ports: LAN1/2 or LAN A. Select one of them according to the system.

There are two ways to connect to USF-212BS from a PC. Using LAN1/2 port or LAN A port. Connect to fit your system.

**Connecting via LAN A**

- LAN A IP Address  
  Factory default: 172.16.0.10
- LAN A LED  
  Lit Green: Connected
  Flashing Orange: Transmitting and receiving data

**Connecting via LAN1 or LAN2**

Connect to LAN1 or LAN2 on the rear panel. (Example below: LAN1)
- LAN1 LED (LAN2 LED)  
  Lit Green: Connected
  Flashing Orange: Transmitting and receiving data

**7. Network Default Setting**

Open the web browser of the PC and input address. A status page as shown opens on the web browser when connection is established.

Connecting to LAN A: [http://172.16.0.10](http://172.16.0.10) (Factory Setting)

LAN1 または LAN2 と接続しているとき：[http://192.168.0.10](http://192.168.0.10) (Factory Setting)

**IP Address Change**

(1) Click the **Network** tab.
(2) Input new IP address into the IP Address box of WAN (LAN A) Settings to change LAN A IP address.
Input new IP address into the IP Address box of LAN (LAN1/2) Settings to change LAN 1/2 IP address.
(3) A confirmation message window opens when you click **Apply**.
Click OK in the confirmation window.
(4) Click **Utility** tab, then click **Restart**.
Click OK when the restart confirmation window opens.
USF-212BS restarts. The new setting is reflected after the restart.

**NOTE**

IP addresses are assigned to respective USF-212BS modules installed.
Refer to USF-212BS operation manual Sec. “USF-212BS WEB GUI” for details on setting IP addresses.