

Safety Precautions

Fujitsu would like to thank you for purchasing the FUJITSU Storage ETERNUS CS800 M1.

This manual describes safety precautions. For your safety and that of others, follow the guidelines provided in the following pages concerning the use of the FUJITSU Storage ETERNUS CS800 M1.

In this manual, "this device" refers to the FUJITSU Storage ETERNUS CS800 M1.

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Warning signs are shown throughout this manual in order to prevent injury to the user and/or material damage. These signs are composed of a symbol and a message describing the recommended level of caution. The following explains the symbols, their levels of caution, and their meanings as used in this manual.



This symbol indicates the possibility of serious or fatal injury if this device is not used properly.



This symbol indicates the possibility of minor or moderate personal injury, as well as damage to this device and/or to other users and their property, if this device is not used properly.

The following symbols are used to indicate the type of warnings or cautions being described.

Electric Shock



△ The triangle emphasizes the urgency of the WARNING and CAUTION contents. Inside the triangle and above it are details concerning the symbol (e.g. Electric Shock).

No Disassembly



⊘ The barred "Do Not..." circle warns against certain actions. The action which should be avoided is both illustrated inside the barred circle and written above it (e.g. No Disassembly).

Unplug



● The black "Must Do..." disk indicates actions that must be taken. The required action is both illustrated inside the black disk and written above it (e.g. Unplug).

If you detect an unusual occurrence during operation

WARNING

Do Not



- If the power cord and/or power plug is damaged, do not use this device and contact your sales representative or your maintenance engineer. Do not attempt to repair this device by yourself. Failure to follow these instructions may cause an electric shock or fire.

Unplug



- If this device overheats, gives off smoke or an unusual odor, makes an unusual sound, or shakes abnormally, immediately disconnect the power plug from the socket. After the problem has subsided, contact your sales representative or your maintenance engineer. Do not attempt to repair this device by yourself. Failure to follow these instructions may cause an electric shock or fire.
- If any liquids such as water or foreign objects like metal fragments get into this device, immediately disconnect the power plug from the socket. Then, contact your sales representative or your maintenance engineer. Do not attempt to disassemble this device by yourself. Failure to follow these instructions may cause an electric shock or fire.
- If this device is dropped or covers are damaged, immediately disconnect the power plug from the socket. Then, contact your sales representative or your maintenance engineer. Do not attempt to repair this device by yourself. Failure to follow these instructions may cause an electric shock or fire.

Instructions for installation

WARNING

Do Not



- Do not place this device in an area with bad ventilation, or near a source of fire or flammable gas. Doing so may cause a fire or failure.
- Do not place this device in locations subject to oil smoke, steam, humidity, and dust, or in places where this device may come into contact with water. Doing so may cause an electric shock, fire, or failure.
- Do not place any objects containing water such as vases and cups on or near this device. Doing so may cause water to get into this device and lead to an electric shock, fire, or failure.
- Do not place this device on an unstable floor. Doing so may cause this device to fall, resulting in an injury or failure.
- Do not connect power cords or any other cables to this device in the event of a thunderstorm. Doing so may cause an electric shock or fire.
- Do not connect devices other than this device to optional products. Doing so may cause a failure or malfunction.

Electric Shock



- Make sure to connect the ground wires when directly connecting the power cords of this device to the distribution board. Do not connect all the power cords of this device to a single distribution board. This may cause a large amount of current to flow to the ground wire of the power cord and cause an electric shock.

Unplug



- When this device is installed or moved, disconnect the power plug from the socket. Remove all the connected cables. Watch your step during the operation. Failure to do so may damage the power cords and cause an electric shock or fire. Failure to do so may also cause this device to fall and injure others.

CAUTION

Do Not



- Do not use this device in an area affected by corrosive gas or in a salty environment. Doing so may cause a failure.
- Do not knock or place heavy objects on this device or optional products. Doing so may cause an injury or failure.
- Do not place this device in areas with strong magnetic fields, such as in the vicinity of TVs or speakers. Doing so may cause a failure or malfunction.
- Do not place power cords and other cables in locations where they may become trip hazards. Doing so may cause an injury or failure.
- Do not place this device on a slanted or unstable surface or in areas that tend to shake. Doing so may cause it to tip over and injure others. Also, do not place this device in high traffic areas such as in a hallway. Passersby can shake this device, damage it or cause a malfunction.

Do



- Place this device in an environment in which the temperature and humidity satisfy the environmental conditions described in the manuals of this device.
 - For 24-hour operation, ensure that the schedule for air conditioning is able to maintain the required temperature. Failure to do so may cause a failure.
 - During the winter, control the heating system to limit ambient temperature rises to less than 15°C per hour to prevent condensation. Failure to do so may cause an electric shock or failure.

Do Not



- Do not damage or modify the power cord or the power plug. Heating, forced bending, twisting, pulling, or placing heavy objects on the power cord or the power plug may damage it, causing an electric shock or fire.
- Do not plug all the power cords into a single outlet. Doing so may cause an electric shock or fire.
- Do not use a power cord other than the one provided with this device or a specified power cord. Also, do not use the previously mentioned power cord with other devices. Doing so may cause an electric shock, fire, or failure.
- Do not use any products other than the optional products for this device. Doing so may cause an electric shock, fire, or failure.
- Do not insert or drop foreign objects such as metals or flammable objects into openings in this device such as air vents. Doing so may cause an electric shock, fire, or failure.
- Do not obstruct the openings in this device such as air vents. Doing so may cause overheating that leads to a fire or failure.
- Do not use any flammable type cleaning sprays. Doing so may cause a fire or failure.
- Do not place optional products in locations subject to direct sunlight, humidity, near a heating appliance or anything that may cause a fire. Doing so may cause a failure or malfunction.

Do



- Use only power sockets that have a ground. Failure to do so may cause an electric shock, fire, or malfunction.
- Turn off the power of this device and disconnect the power plug from the socket in the event of a thunderstorm. Failure to do so may cause an electric shock, fire, or failure.
- Ensure the power plug is fully inserted into the socket. Failure to do so may cause an electric shock or fire.
- When carrying this device, two or more (appropriate numbers) people should hold both sides as well as the bottom of it. Carrying a heavy device without two or more people may cause an injury.
- Do not pour or spill water on this device. Doing so may cause an electric shock, fire, or failure.

Handling instructions

WARNING

No Disassembly



- Do not attempt to repair, disassemble, or remodel this device by yourself. Doing so may cause an electric shock or fire.

Do Not



- Do not use this device with a voltage other than that indicated. Doing so may cause an electric shock or fire.
- Do not handle the power plug with wet hands. Doing so may cause an electric shock.
- Do not wind power cords too tightly at the root of the power cord. Doing so stresses the cords and may expose or snap the inner wires, which can cause an electric shock or fire.

Do Not Wet



Unplug



- When unplugging the power plug, only hold the plug. Do not hold the cable. Pulling the cable may expose or snap the inner wires, which may cause an electric shock or fire.
- If the electrodes of the power plug or a section that is connected to the power socket has dust or is dirty, use a dry cloth to wipe them clean. Failure to do so may cause an electric shock or fire.
- When this device is not used for a long period of time, unplug all power plugs. Failure to do so may cause a fire.

Warning



- When the cover of this device is opened or other moving parts are operated, make sure not to touch the projection in this device. Failure to do so may cause an injury or failure.

CAUTION

Do Not



- Avoid handling this device roughly or subjecting it to physical shocks when pulling it out or pushing it into a rack or while the top board is being opened or closed. Failure to do so may cause a failure.
- When this device is pulled out from the rack, make sure not to hit your head if you are operating devices under this device. Failure to do so may cause an injury.
- Fibre Channel host bus adapters and PRO/10GbE SR server adapters are compliant with IEC 60825-1 class 1 or class 1M lasers. Do not look at the laser beam directly. Doing so may damage your eyes.
- Do not put your finger into the inlet/outlet. Doing so may cause an injury or failure.
- Do not remove the cover from this device inlet/outlet unless necessary. Doing so may cause a failure.
- Do not use devices such as mobile phones that emit radiation in the vicinity of this device. Doing so may cause a malfunction.

Do



- Before applying insecticides for pest control, turn off this device and cover it with a plastic sheet. Failure to do so may cause a failure.
- Note the following points when cleaning this device. Failure to do so may cause a failure.
 - Make sure that this device is turned off.
 - Do not allow liquids such as cleaner to get into this device.
 - Never use organic solvents such as alcohol or thinner to clean this device.

Instructions for rack installation

CAUTION

Do



- When installing this device in the rack, contact your sales representative or your maintenance engineer. Do not attempt to install this device by yourself. Doing so may cause an injury or failure.
- Especially for an enclosed rack with doors, or when multiple devices are to be mounted and running, it is important to realize that the temperature inside the rack will be considerably higher than that of the room. Make sure the rack internal ambient temperatures do not exceed the environmental conditions for temperature described in the manuals of the devices that are being used. Failure to do so may cause a failure.
- When installing this device with other devices into the same rack, the airflow of the device installed on and under this device may interfere with each other and reduce the effect of device cooling. Make sure to leave plenty of room between the devices if required. Failure to do so may cause a failure or malfunction.
- When installing this device in the rack, be careful not to crush your fingers. Failure to do so may cause an injury.
- When installing devices in the rack, make sure to install them starting from the bottom of the rack and working upward to ensure the center of gravity is maintained. If the bottom of the rack is empty and devices are only installed at the top of the rack, the rack becomes unstable, which may cause an injury or failure.
- Install the blank panels provided with the rack where no other devices are installed. Failure to do so may cause this device to overheat, resulting in a failure.
- When moving the rack after installing this device, make sure to contact your sales representative or your maintenance engineer. Do not move the rack by yourself. Doing so may cause an injury or failure.

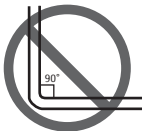
Handling cables

CAUTION

Do Not



- Do not damage or modify the cables such as heating, forced bending, twisting, pulling, or placing heavy objects on them. Doing so may cause a failure or malfunction.
- Do not forcibly bend or fold the cable. Doing so may cause a failure or malfunction.



Do not bend
more than 90 degrees

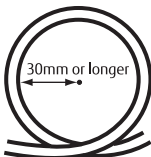


Do not fold

Do



- Firmly insert cable connectors into inlets, outlets, or sockets. Failure to do so may cause a malfunction.
- When inserting or removing the cable, only hold the connector. Do not hold the cable. Doing so may cause a failure or malfunction.
- Remove any dirt and dust on cable connectors. Failure to do so may cause a malfunction.
- Keep a 30mm or larger radius when looping an FC cable. Failure to do so may cause a failure or malfunction.



Disposal of this device and packing materials

CAUTION

Do



- If you need to dispose of this device, follow the instructions provided by your maintenance engineer.

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