

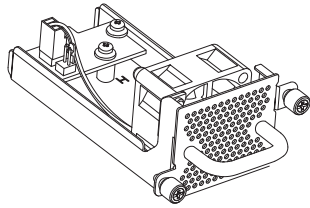
- Thank you for purchasing our product.
- After thoroughly reading the Installation Guide, properly and safely use the product.
- Be sure to read the “**Safety Precautions**” before using the product.
- The instruction guide can be downloaded from the following URL.  
<https://panasonic.co.jp/ew/pewnw/english/datadownload/index.html>



The FAN02 Module (PN73002) is a dedicated fan module which is mounted into Panasonic manufactured Ethernet Switches ZEQUO 6700RE (PN36243E) and ZEQUO 6600RE (PN36241E). **It cannot be used for other applications.**

### Major specifications

Model name	FAN02 Module
Model number	PN73002
Operating voltage	DC 12 V
Operating environmental temperatures	0 – 45°C
Operating environmental humidity	20 – 80% RH (without condensation)
Accessories	Installation Guide (this guide) 1 copy



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## Safety Precautions

Be sure to observe them

In order to prevent people from getting harmed, and property from getting damaged, be sure to observe that which is described.

- This describes the extent of harm or damage which will be generated when the product is improperly used.



### WARNING

This symbol indicates a potential hazard that could result in serious injury or death.



### CAUTION

This symbol indicates safety instructions. Deviation from these instructions could lead to bodily injury and/or property damage.



### WARNING

- **Do not insert, or drop inside of the openings, foreign objects such as metals or combustible objects**  
 Otherwise, this might result in fires, electrical shocks, or malfunctions.
- **Do not store, or use in areas which might be exposed to liquids such as water, humid areas, areas where there are conductive dusts, corrosive gases, or flammable gases**  
 Otherwise, this might result in fires, electrical shocks, or malfunctions.
- **Use after confirming the usage methods and usage conditions for ZEQUO 6700RE (PN36243E), ZEQUO 6600RE (PN36241E)**  
 Otherwise, this might result in malfunctions.
- **After identifying the modules covered for replacing via ZEQUO 6700RE (PN36243E), ZEQUO 6600RE (PN36241E) main unit's CLI, and the STACK LED, replace Fan 1, or Fan 2**  
 If replacing is done without identifying them, unintended modules might be replaced.
- **If the fan module is going to be replaced with the unit switch operating, remove the fan module, and mount it within 3 minutes**  
 Since the air flow cannot be assured, the internal temperatures will rise, and that might cause malfunction.
- **When the fan module is not mounted, prevent foreign objects from incurring inside, as well as operators from getting inside of the product unit through the fan slots**  
 Otherwise, this might cause injuries via the mechanical components, etc., or malfunctions due to the incursion of foreign objects, etc.



### WARNING

- **Do not store, or use in areas subjected to direct sunlight, or high temperatures**  
 Might cause the internal temperatures to rise, or fires.
- **Do not store, or use in areas where there are lots of vibrations, or impacts, or in unstable areas**  
 Might cause falling, injuries, or malfunctions.
- **Do not put the device into fire**  
 Might cause explosions or fires.



### CAUTION

- **This device is to be periodically serviced in order to maintain its performance**  
 Please assign a product administrator, and be sure to implement periodic maintenance. When doing maintenance, check the inspection chart that is posted on our website which has the requisite items listed on it.
- **When using this device to design systems, use it after applying appropriate measures such as setting up redundant configurations**  
 Communication failures might be generated due to causes such as malfunctions or misoperations while the device is being used.
- **When using this device for applications which require extremely high reliability, be careful to expend all possible means to ensure safety and reliability**  
 This device is not designed nor manufactured with the intention that it be used for applications (in use with railways, aviation, and medical care, etc. whereas the influence rate due to communication failures is extremely high in regard to systems that directly affect systems and human lives) which require extremely high reliability.
- **Be careful in regards to environmental restrictions whereby the device can be used**  
 Please isolate the business power lines and communication lines. Isolate distribution lines and other distribution lines, and low current power lines, optical fiber cables, metallic water conduits, and gas conduits, etc. Noise may be generated in the communication lines which might cause communication glitches.
- **Do not store nor use the device in the following areas**  
 (Store and use as per the environmental conditions in the specifications)
  - Areas where liquids such as water, etc. might be spilled, nor areas where there is high humidity
  - Areas where there is lots of dust, nor areas where there might be electrostatic hazards (on top of carpets, etc.)
  - Areas subjected to direct sunlight
  - Areas prone to condensation, nor high and low temperature areas which do not fulfill the environmental conditions in the specifications
  - Areas where there are strong vibrations or impacts

## Usage Precautions

- Request the retail outlet to inspect the interior or perform repairs.
- Properly and firmly mount the FAN02 Module onto ZEQUO 6700RE (PN36243E), ZEQUO 6600RE (PN36241E).
- Check whether the FAN02 Module connector is contaminated with dust, etc., if it is contaminated, clean it then mount it.
- Do not touch the metal terminals, nor draw near with electrically charged things. Might cause malfunctions due to static electricity.
- Be careful since misoperations might be caused if the product is used with it exceeding its specification limits.

1. Please note that Panasonic shall not bear any liability whatsoever for any damages (this shall include lost earnings, lost opportunities, etc. but this is not restricted to these things) which were generated in relation to damages caused by operations and usage, or the inability to use this device, whereby the customer does not follow this Installation Guide.
2. The contents described in this document may be changed without prior notice.
3. If you have any questions, please contact the retail outlet where the product was purchased.

## Removing, Mounting, and Replacing the Fan Modules

The hot-swappable fan compatible Ethernet Switches ZEQUO 6700RE (PN36243E) and ZEQUO 6600RE (PN36241E) can have their fan modules removed and mounted with the Ethernet Switch units being continuously operated.

Refer to the ZEQUO 6700RE (PN36243E) and ZEQUO 6600RE (PN36241E) Installation Guides, and implement the removing, mounting, and replacement procedures for the fan modules after confirming the precautions, etc.

### ◆ Removing the fan module

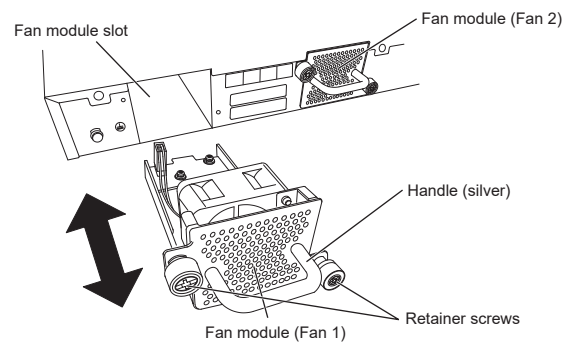
- Step 1. Loosen the retainer screws on the fan modules which are going to be replaced and removed.
- Step 2. Hold the fan module's handle (silver), and slowly pull out fan module while supporting it.

### ◆ Mounting the fan module

- Step 1. Slowly insert the fan module into the fan module slot.
- Step 2. Tighten the retainer screws.
- Step 3. Make sure that the status LED is NOT blinking in orange, and the STACK ID LED is NOT displaying any of the followings.
  - “11”: Fan 1 failure
  - “12”: Fan 2 failure
  - “13”: Fan 1 and Fan 2 failures

### ◆ Replacing the fan module

After removing the fan module, then mount the fan module.



## Troubleshooting

If you think that malfunctioning is occurring, first of all run checks in accordance with the following items.

- ◆ **If the Ethernet Switch's fan module LEDs which this device are equipped with do not light up**
  - Is the Ethernet Switch's power supply on?
  - Is the fan module properly mounted on the ZEQUO 6700RE (PN36243E) and ZEQUO 6600RE (PN36241E)?
  - Are the FAN02 Module connectors contaminated with dust, etc.?