

Installation, Maintenance, and Upgrade

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Power the Unit via the AC Power Supply

Safety Warnings

Take note of the following warnings:

Warning The AC appliance couple is used as a disconnect. The AC plug must be connected to a properly grounded AC outlet.

To power the unit via an AC power connection:

Procedure

Step 1 Connect the AC plug to the AC appliance coupler.

Step 2 Plug the power cord into a suitable power outlet.

The power LED will light, indicating that the Module is powered.

Power the Unit via DC Power Cable

Safety Warnings

Take note of the following warning:

Warning Each input should be protected by a 4.0 A to 5.0 A externally-mounted fast-acting fuse or equivalent. There should be one fuse per power feed. Disconnect all power sources before servicing. Removing fuses can be used as a disconnect method.

Fuses must be installed on the live wire(s) and not on the grounded wire(s).

The DC power Battery Return (BR) input terminals of the unit are not connected to the equipment frame (chassis) and are configured as DC-I in compliance with GR- 1089-CORE.

To power the unit via the DC power cable:

Before you begin

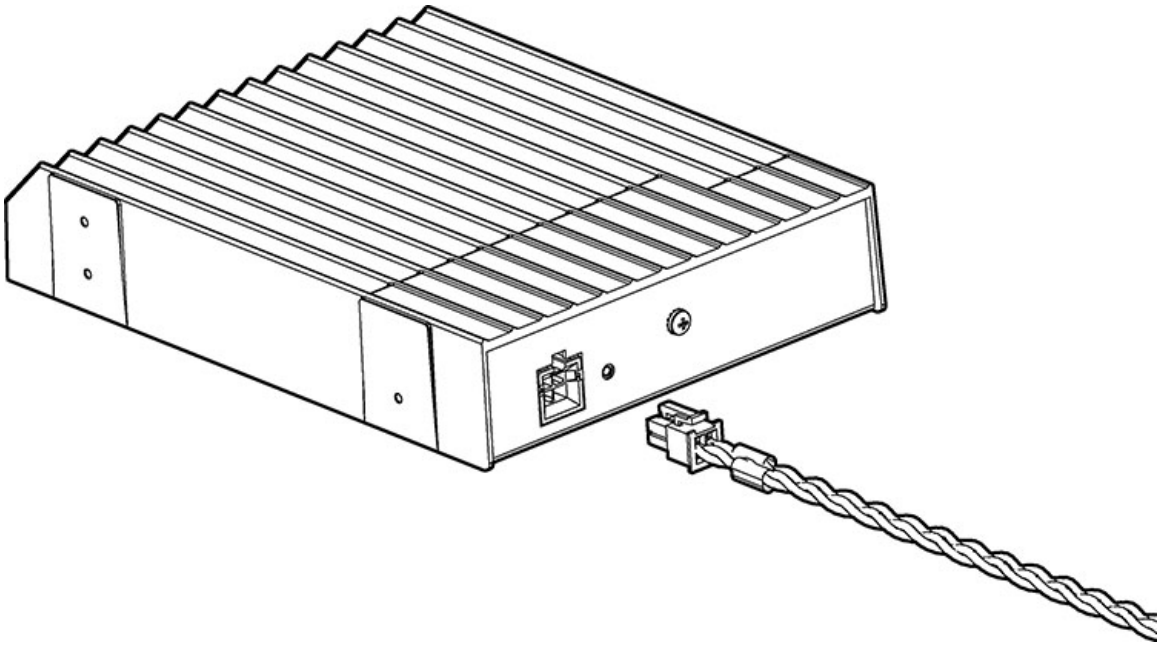
- Make sure that the chassis ground is connected on the chassis before you begin installing the DC power supply. See Ground the Chassis for the procedure.

Procedure

Step 1 Establish the proper connections between the cable end and the power sources.

Step 2 Connect the DC connector to the back of the Module.

Figure 1: Connect the DC Connector



Power the Unit via DC Terminal Block Adapter

Safety Warnings

Take note of the following warning:

Warning Each input should be protected by a 4.0 A to 5.0 A externally-mounted fast-acting fuse or equivalent. There should be one fuse per power feed. Disconnect all power sources before servicing. Removing fuses can be used as a disconnect method. Fuses must be installed on the live wire(s) and not on the grounded wire(s).

The DC power Battery Return (BR) input terminals of the unit are not connected to the equipment frame (chassis) and are configured as DC-I in compliance with GR- 1089-CORE.

To power the unit via the terminal block adapter:

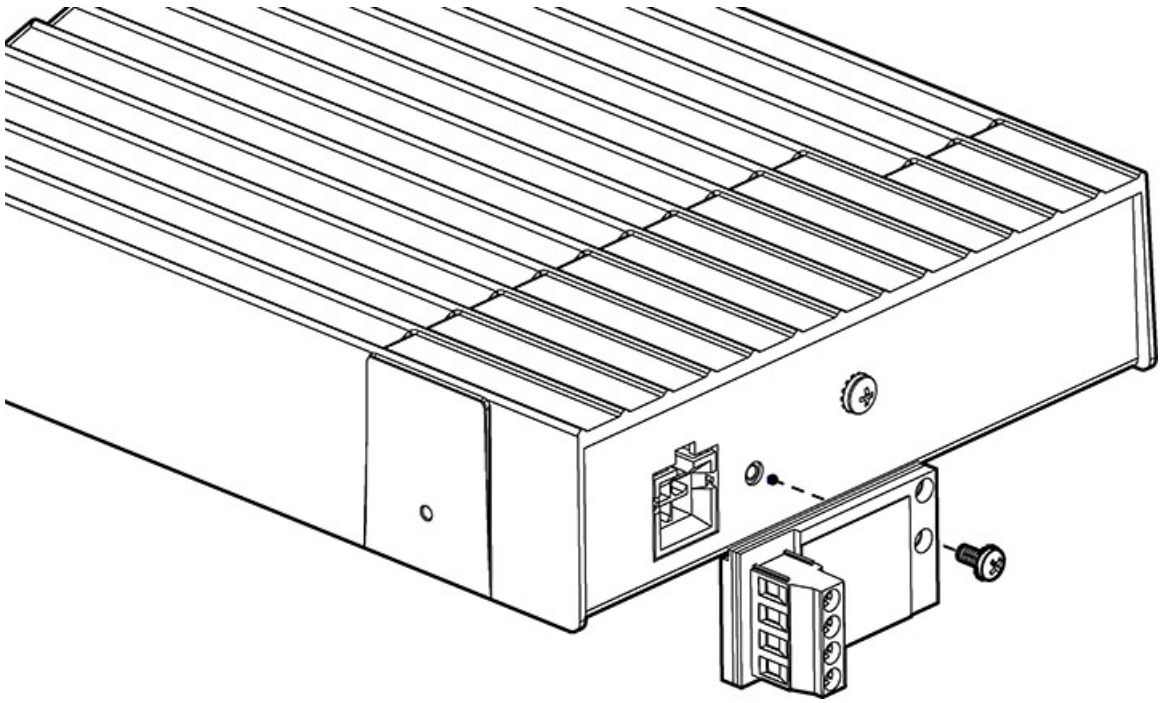
Before you begin

- Make sure that the chassis ground is connected on the chassis before you begin installing the DC power supply. See Ground the Chassis for the procedure.

Procedure

Step 1 Fasten the Terminal Block Adapter to the back of the Module.

Figure 2: Fasten the Terminal Block Adapter



Step 2 Establish the proper connections between the wires and the power sources.

Step 3 Connect wires to the terminal block connector of the adapter.

Note
Applicable wire range: 12 to 22 AWG

Connect to the Network

Establish the Ethernet connections to the Module by plugging the appropriate media types to the proper ports of the Module, per the predefined network architecture (see Front Panel).

Note For more information, refer to the User Material.

Remove and Replace the Fan Tray

This procedure describes how to replace a fan tray in the event of a fan failure. The fan replacement kit SKY-FANKIT-MOD10G= contains one fan tray. The Module 10G has two fans inherent in its design to prevent the unit from overheating. The fans are installed into a separate replaceable fan tray should the fans fail. This procedure describes the method to replace the fan tray. It is recommended that you complete the procedure within five minutes of removing the fan tray to prevent overheating of the unit.

Note This procedure only applies to the following PIDs:

- SKY-MOD10G-H-DD
- SKY-MOD10G-H-A

Note The fan replacement kit SKY-FANKIT-MOD10G= must be ordered separately.

Caution The replacement of the fan tray should be carefully planned as the procedure must be completed within five minutes to reduce the thermal impact on the unit.

Safety Warnings

The following are safety guidelines that you must follow for personal safety and to operate the units correctly. All personnel working directly on the units must be trained, authorized, and qualified to perform the tasks described herein. You must read and follow these guidelines before you begin.

- Power to the unit remains on throughout this process.

- To avoid personal injury, equipment damage and/or service interruptions, keep your fingers away from the fan's moving parts.
- This equipment is sensitive to electrostatic discharge (ESD). When handling, ensure to wear a properly-functioning heel grounder and/or an anti-static wrist strap or another personal-grounding device.
- Incorrect handling may void warranty.

Take note of the following warnings:

Warning **Statement 1073—**No User-Serviceable Parts

There are no serviceable parts inside. To avoid risk of electric shock, do not open.

Warning **Statement 1093—**Avoid Sharp Edges

Risk of personal injury. Avoid sharp edges when installing or removing replaceable units.



Replace the Fan Tray

You will need:

- Replacement fan tray
- Module 10G
- Slotted #1 Phillips screwdriver

Figure 3: Fan Tray Replacement Items



To replace the fan tray:

Procedure

Step 1 With the Module 10G front facing you, use a screwdriver to loosen the screws to the right and left of the fan tray.

Figure 4: Loosen the Screws



Step 2 Slide the fan tray towards you to remove it. You do not need to keep this piece; place it in the appropriate electronic recycling.

Step 3 Take the new replacement fan tray and slide it into the Module 10G.

Figure 5: Slide the Replacement Fan Tray into the Module 10G



Step 4 Tighten the right and left screws to secure the replacement fan tray to the Module 10G.