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## Install your power supply

The TippingPoint Power Supply is a replacement unit and can only be used with TippingPoint NX-Platform Intrusion Prevention System (IPS) devices, Next Generation Firewall (NGFW) appliances, and 2200T Threat Protection System (TPS) devices.

It cannot be used as a standalone product.

The power supply kit includes the following items:

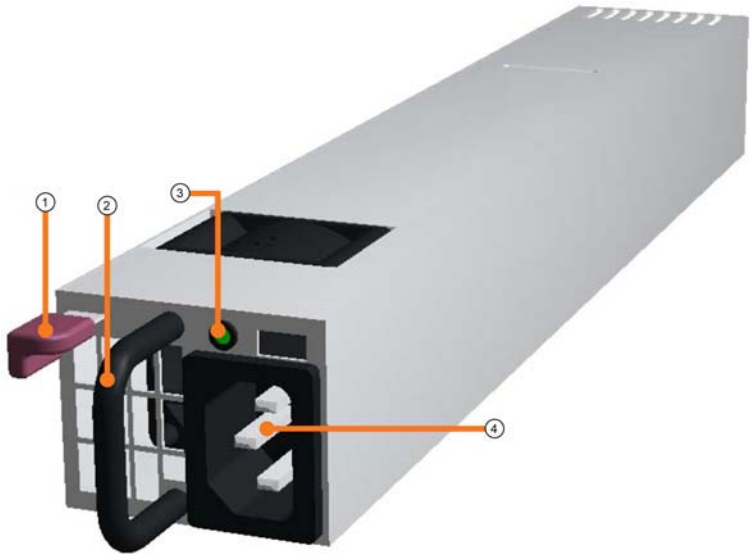
- Power supply
- Documentation Kit

### Power Supply Assembly

NX-Platform and 2200T TPS devices include two power supplies, and support both AC units and DC units. The NGFW Appliances include two power supplies, and support AC units only.

**⚠ WARNING!** Do not attempt to install a DC power supply into an NGFW appliance. The NGFW appliance does not contain the grounding capability for safe installation of a DC power supply. Bodily harm and damage to the system could result.

All power supplies are redundant and hot-swappable.



**Figure 1-1** AC Power Supply

- 1 Removal Latch
- 2 Handle
- 3 Status LED
- 4 AC male power input



## Identifying the faulty power supply

Before you begin, determine which power supply assembly is faulty and needs to be replaced. You can review the power supply status on the System Summary page in the Local Security Manager (LSM) and with the `show health` command in the command line interface (CLI). You can also check the power supply LED:

- Green: The power supply is running normally.
- Off: The power supply is faulty.



Figure 1-1 TippingPoint NX-Platform device - back panel

- 1 Ground strap mounting
- 2 Power supply module
- 3 Fan module

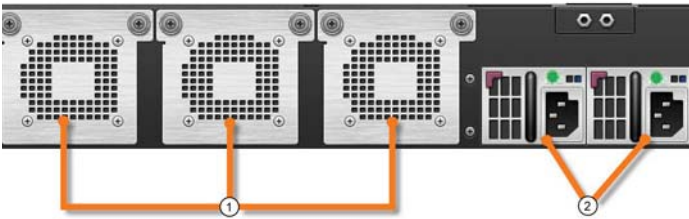


Figure 1-2 TippingPoint NGFW Appliance/2200T TPS device - back panel

- 1 Fan modules
- 2 Power supply modules

## Installing the replacement power supply

**NOTE:** The replacement power supply is hot-pluggable, and can be removed without powering down the device if only one power supply is being replaced.

1. Remove the power supply by moving the latch to the right while pulling out the power supply.
2. Set the faulty power supply aside.
3. Remove the new power supply from the packaging.
4. Install the new power supply by sliding it into the open slot. The latch locks into place automatically.

## Connecting an AC power supply

1. Locate the male power input on the back of the chassis.
2. Plug one end of a standard female power plug into the power input.
3. Plug the other end into an AC outlet, power strip, or UPS. The power should meet the following requirements:
  - Voltage: 100 - 240 VAC
  - Current: 12 - 6 Amps
  - Frequency: 50 - 60 Hz (NX-Platform); 47 - 63 Hz (NGFW, 2200T)
4. Depending on the BIOS settings and the state the device was in when the power was unplugged, the device might or might not turn on automatically when power is reapplied. If necessary, power on the device with the button on the front of the chassis.

## Connecting a DC power supply to NX-Platform and 2200T devices

**WARNING!** Do not attempt to install a DC power supply into an NGFW appliance. The NGFW appliance does not contain the grounding capability for safe installation of a DC power supply. Bodily harm and damage to the system could result.

**WARNING!** When installing the product, always make the ground connection before applying power to the unit. This equipment needs to be grounded to an external ground connection. Use a green and yellow 12 AWG ground wire to connect the host to earth ground during normal use. Disconnect the ground connection only when the unit is completely powered down.

**CAUTION:** Do not attach a ground wire to the ground screw on the DC power supply module. Attach the ground wire to the DC grounding screw holes at the rear of the device. Refer to Figure 1-3 for the location on the NX-Platform IPS chassis, and to Figure 1-4 for the location on the 2200T TPS chassis.



Figure 1-3 NX-Platform DC grounding screw holes to accept the lug connector attached to ground

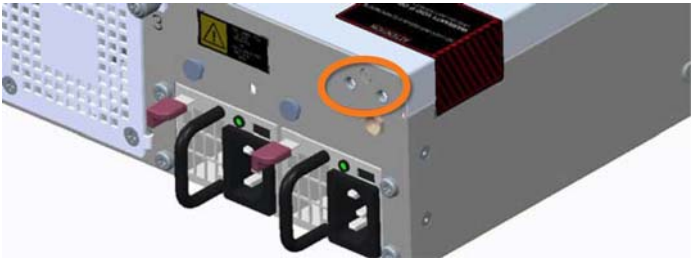


Figure 1-4 2200T DC grounding screw holes to accept the lug connector attached to ground

The power supply LED is green when the module is powered and running normally.

When the DC power supply has been securely placed in the device, use the following procedure to connect power to the DC power supply.

1. Locate the ground screw on the back of the chassis.
2. Attach a 12 AWG ground wire to the chassis ground strap mounting. The wire should be crimped with a ring lug.
3. Locate the power input terminal block on the back of the module.
4. Attach the 12 AWG DC power wires to the power input terminal block labeled -48V and RTN. The power wires should be crimped with lug spades to ensure a secure connection.
5. Connect the other side of the power cable to the SELV power source. The power source should meet the following requirements:
  - Voltage: -40 to -60 V
  - 24 - 16 Amps
  - SELV
6. Depending on the BIOS settings and the state the device was in when the power was unplugged, the device might or might not turn on automatically when power is reapplied. If necessary, power on the device with the button on the front of the chassis.

## Contact information

TippingPoint devices have a full set of documentation. For the most recent documentation updates, check the Threat Management Center (TMC) Web site at <https://tmc.tippingpoint.com>.

If you need technical support, call 1-866-681-8324 (1-866-681-TECH) or send an e-mail to [tippingpoint.support@trendmicro.com](mailto:tippingpoint.support@trendmicro.com).


## Safety and compliance

This accessory complies with the following Safety Standards:


- UL 507
- UL 1007
- IEC/EN 60950-1
- CSA C22.2 No. 113-08

## Reduction of hazardous substances


TippingPoint products comply with the RoHS Directive 2011/65/EU.

 Trend Micro  
Model Farm Road  
Cork, Ireland  
Eircode T12 VP44

## Waste electrical and electronic equipment

 The host product of this custom accessory complies with the labeling requirement of the Waste Electrical and Electronic Equipment (WEEE) Directive 2002/96/EC.

## Turkish recycling notice

 Türkiye Cumhuriyeti: EEE Yönetmeliğine Uygundur

## Ukraine compliance statement

Україна: Обладнання відповідає вимогам Технічного регламенту щодо обмеження використання деяких небезпечних речовин в електричному та електронному обладнанні, затвердженого постановою Кабінету Міністрів України від 3 грудня 2008 № 1057.

Ukraine: The equipment complies with requirements of the Technical Regulation, approved by the Resolution of Cabinet of Ministry of Ukraine as of December 3, 2008 No. 1057, in terms of restrictions for the use of certain dangerous substances in electrical and electronic equipment.