

IMPORTANT: After you log in, at a minimum assign your own Management port IP address by selecting **System > Management Port** from the LSM.

Where to go next

After completing the setup, you can perform additional configuration, administration, and management tasks by using the LSM or the CLI.

- For details about performing tasks by using the LSM, refer to the *Local Security Manager User's Guide*.
- For details about performing tasks by using the CLI, refer to the *Command Line Interface Reference*.

NOTE: When using the command line interface (CLI), configure the terminal emulation package to transmit a Ctrl-H character when the Backspace key is pressed.

If you will manage the device by using the TippingPoint Security Management System (SMS), refer to the SMS product documentation for details.



TippingPoint™

Install your security device

This information provides basic setup instructions for your TippingPoint security device.

Before you begin

- Download the product release notes from the TippingPoint Threat Management Center at <https://tmc.tippingpoint.com> to view updates to the installation instructions and access additional product documentation. See the *Read Me First - Registering and contacting support* sheet in your product shipment for information on registering for a TMC account and contacting support.
- Read and follow all safety information in the *TippingPoint Hardware Safety and Compliance Guide* that shipped with your product.
- Make sure the power capacity meets these requirements:
 - 440T device: AC Voltage 100 – 240; Current 4 – 2 A; Frequency 50 – 60 Hz
 - 2200T device: AC Voltage 100 – 240; Current 12 – 6 A; Frequency 47 – 63 Hz
 - 2200T device: DC Voltage -40 – -60; Current 24 – 16 A; SELV power source

Overview

Your security device ships with the following components:

- 1 AC power cable (440T device), 2 AC power cables (2200T device)*
- Rack-mounting kit
- Pre-formatted CFast external storage card
- Null modem cable for the console port

*DC power supplies are also available for 2200T devices. Consult your TippingPoint account contact if you require a DC power supply.

LED Indicators

Refer to the following diagram of the chassis front panel when you install and configure the device.

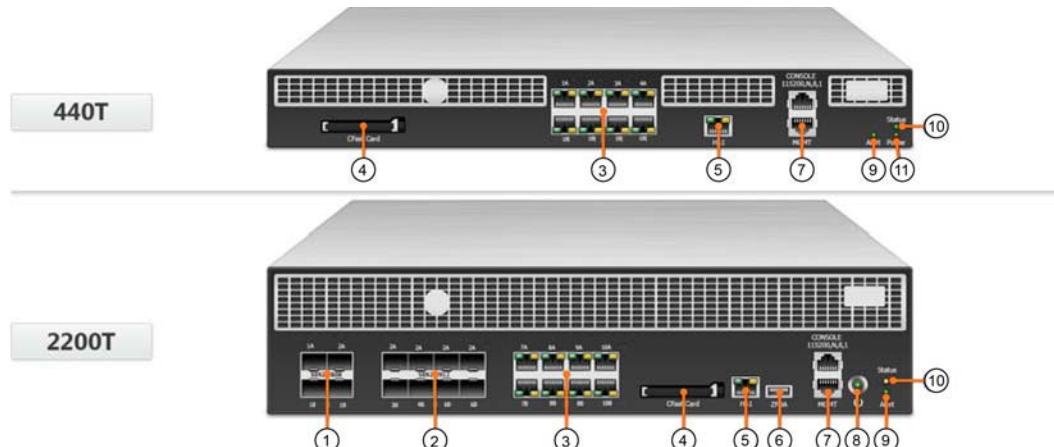


Figure 1 TippingPoint Threat Protection System security devices – front panel

1) 10GbE SFP+ ports	5) Dedicated HA port	9) Alert indicator LED
2) 1GbE SFP ports	6) External ZPHA port	10) Status indicator LED
3) 1GbE copper ports	7) Console port (top) and Management port (bottom)	11) Power indicator LED
4) External CFast Card	8) Power button (440T devices have power switch on back panel)	

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TippingPoint™



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Install and configure your device

Refer to the diagram on the front page when installing your security device.

NOTE: TPS devices have the following weight values. Consider having a second person help lift heavier appliances into a rack.

- 440T devices: 15.28 pounds (6.93 kilograms)
- 2200T devices: 26.26 pounds (11.91 kilograms)

To install the device, mount the device in a rack, connect the cables, and then complete the software setup by using the following steps and diagrams.

Step 1. Determine total rack space

Before you install the chassis, determine the total rack space that is required to install your device. The required rack space will increase if you plan to install multiple devices. The device fits in a 19-inch-wide rack (or a 23-inch-wide rack, with appropriate conversion parts available from rack accessory vendors).

Step 2. Attach the device to the rack

Your device can be stored on a desktop, on a shelf, or in a rack.

For rack installations, the 440T device ships with a four-post rack-mount kit. You can install this device in a two-post or four-post rack.

IMPORTANT: Do not use a two-post mount in a four-post rack. For four-post racks, use a four-post mount.

The 2200T device ships with a slide rail kit to mount these appliances to a four-post rack. Slide rail kits are also available for order from TippingPoint. Refer to the instructions in the slide rail kit for information about installing the slide rails.

Use the front mounting ears to install 2200T devices in two-post racks in front-mount or mid-mount positions.

WARNING! To prevent bodily injury when mounting or servicing this unit in a rack, you must take special precautions to ensure that the device remains stable.

When bolting the device to the rack, follow these guidelines. For other rack-mounting options, refer to the product hardware documentation.

- If the rack comes with stabilizers, install the stabilizers before mounting or servicing the unit in the rack.

- If the rack is partially filled, load the rack from the bottom to the top with the heaviest component at the bottom of the rack.
- If you plan to expand your security solution to include additional devices in the future, allow space in the rack for additions. During the initial installation, keep in mind the weight distribution and stability of the rack.

For rack installation details, refer to the product hardware documentation.

Step 3. Connect the power supply

After you have bolted the device to the rack, attach the power supply AC connections.

- Locate the male power input on the back of the chassis.
- Plug one end of a standard female power plug into the power input.
- Plug the other end into an AC outlet, power strip, or UPS. For power specifications and requirements for your device, refer to the product hardware documentation.

DC power supplies are also available for 2200T devices. Consult your TippingPoint account contact for more information if you require a DC power supply. For DC power connection details, refer to the product hardware documentation.

Step 4. Insert the CFast card

Your security device comes with a CFast card included in the accessory kit. This pre-formatted, hot-swappable card contains the software and setup configuration for your device. It can store system logs, snapshots, and other system data.

- Locate the CFast card in the accessory kit.
- Prior to booting up for the first time, insert the card into its slot (4 in Figure 1).

The card mounts automatically when the device is booted.

For a list of CLI commands used to manage the CFast card, refer to the product hardware documentation.

Step 5. Attach the cables

During setup, make your management port and console port connections. The console port provides access to the setup wizard.

To attach the console port connection

- Connect the RJ-45 null modem cable to the Console port on the front of the unit.
- Connect the other end of your cable (standard-sized female DB-9 connector) to your VT100-compatible terminal or your computer.

Use the following terminal settings for the Console port:

- Baud rate: **115.2 Kbps**
- Character size: **8 bits**

- Parity: **None**
- Stop Bits: **One**
- Flow Control: **None**

For pinout information and a list of supported optical transceivers, refer to the product hardware documentation.

To attach the Management Port connection

- Connect one end of the Category 5 Ethernet cable to the Management port (the bottom port of 7 in Figure 1) on the front panel.
- Connect the other end of the Ethernet cable to your network. This enables management over the network.

To attach network connections

Connect the cables to the ports on your security device. The ports require fixed cable assignments:

- Attach the cable for incoming traffic to the **1A** port on the segment.
- Attach the cable for outgoing traffic to the **1B** port on the segment.
- Connect the cables to the appropriate ports on your network router.

When you access the Local Security Manager (LSM) after you complete initial setup (see [step 3 of "Step 8. Complete initial setup"](#)), you can configure network interface types appropriate to the surrounding network by using the ports you selected.

For more information about device network configuration and connections, refer to the product documentation.

Step 6. Turn on the device

For 440T devices, turn the power on using the power switch on the back panel of the device. For 2200T devices, press the power button on the front panel of the device.

Step 7. Check LEDs

When you connect power to the device, the system completes a series of component checks. It then displays LEDs to show the status of each component:

- Management port
 - Link LED: *green* indicates that the port is linked and ready for data.
 - Activity LED: *blinking amber* indicates the port is passing data.
- Power
 - Off: the system is off.
 - Green: the system is on.
- System status
 - Flashing *green*: the system is booting up, and is not yet ready to inspect traffic.

- Flashing *green/yellow*: the system is booting and BIOS is updating.
- Solid *green*: system is running in a healthy state.
- Solid *yellow*: the system is running but has a health rating below the acceptable threshold.
- Alert status
 - Solid *green*: both the hardware and the software processes are running normally.
 - Solid *yellow*: system is booting. If the solid yellow indicator remains after startup, a software problem has been detected. Hardware status is undefined.
 - Flashing *yellow*: hardware problem detected. Software running normally.
 - Off: the system power is off.

Step 8. Complete initial setup

After you power on the device, the setup wizard is displayed on the console port terminal.

The wizard automatically runs through initial system checks, initializations, and configurations. When the initial configurations complete, you are prompted to configure your security level.

- Specify a security level (None, Basic, or Maximum), and create a super-user account and password. The security level you select determines your password requirements. After your super-user account has been created, you are instructed to log in to continue initial configuration.
- If you have not done so, use a network cable to connect the management port to the management network.
- Continue to log in and complete initial configuration by using the console or the LSM.

IMPORTANT: It is recommended that you complete the setup wizard by using the console before making any other configuration changes by using the LSM or SMS.

- A login through the console continues the setup wizard questions automatically. When prompted, you can continue to configure your device IP address, default gateway, DNS server, and timekeeping options.
- To log in to the LSM with your super-username and password, you can use the Management port IP address (the default is `https://192.168.0.1`). The LSM shows that the device has been configured with all the default setup values. Change any values as needed.