

Power over Ethernet (POE) Settings Configuration on SFE / SGE Stackable Managed Switches

Objective

Power over Ethernet (PoE) is a feature that is used to provide power to connected devices over ethernet cables. PoE manages the distribution of electrical power to connected powered devices over the LAN cables through port priority and power allocation.

This article explains how to configure PoE settings and view PoE statistics on the SFE / SGE Stackable Managed Switches.

Applicable Devices

- SFE2000P
- SFE2010P
- SGE2000P
- SGE2010P

Software Version

- v3.0.2.0

PoE Settings

Step 1. Log in to the Switch Configuration Utility and choose **Bridging > Port Management > PoE Settings**. The *PoE Settings* page opens:

PoE Settings

Port	Admin Status	Priority	Power Allocation (mW)	Power Consumption (mW)	
1/g1	Enable	Low	15400	0	Edit
1/g2	Enable	Low	15400	0	Edit
1/g3	Enable	Low	15400	0	Edit
1/g4	Enable	Low	15400	0	Edit
1/g5	Enable	Low	15400	0	Edit
1/g6	Enable	Low	15400	0	Edit
1/g7	Enable	Low	15400	0	Edit
1/g8	Enable	Low	15400	0	Edit

Step 2. Click **Edit** to edit a port. The *Edit PoE Settings* window appears.

Note: PoE is disabled on the port if the Admin Status field is disabled.

Edit PoE Settings

Port	1/g1
Enable PoE	<input checked="" type="checkbox"/>
Power Priority Level	Low ▾
Power Allocation	15400
Power Consumption	0
Overload Counter	0
Short Counter	0
Denied Counter	0
Absent Counter	0
Invalid Signature Counter	0

Apply

Step 3. Check **Enable PoE** to enable PoE on the specified port. This sets the Admin Status field to enabled.

Step 4. From the Power Priority Level drop-down list choose a priority for the specified port. A port with a lower priority level may be denied power over a port with a higher priority level, if power is limited.

Step 5. Enter a value in the Power Allocation field. This value indicates the power in milliwatts that is allocated to the port. The range of values is from 0 to 15400.

The following fields display statistics of the port.

- Power Consumption — The amount of power in milliwatts assigned to the powered device that is connected to the specified port.
- Overload Counter — The total number of power overload occurrences.
- Short Counter — The total number of power shortage occurrences.
- Denied Counter — The number of times the connected device was denied power.
- Absent Counter — The number of times the power was stopped to the connected device because the device was no longer detected.
- Invalid Signature Counter — The number of times an invalid signature was received from the connected device.

Step 6. Click **Apply**.

Caution: This only saves your configuration to the running configuration file. This means any changes made will be lost if the device is rebooted. If you wish to save these changes even after a system reboot, you need to copy the running configuration file to the startup configuration file. See *Copy Configuration File on SFE/SGE Series Managed Switches* for more information on how to do this.