

set poe power management-mode

 This command is not available for N32xx series switches.

The **set poe power management-mode** command configures PoE power management-mode on all the ports or on a specific ethernet port.

Command Syntax

set poe power management-mode *<value>*

Parameter

<value>: The value is an integer. For AS4610-30P, AS4610-54P and AS4630-54PE, the value ranges from 1 to 4. For other PoE supported switches, the value ranges from 1 to 6. The default value is 1.

1	Static Power Management with Port Priority
2	Dynamic Power Management with Port Priority
3	Static Power Management without Port Priority
4	Dynamic Power Management without Port Priority
5	Class based Power Management with Port Priority. Supported only on N3048EP-ON and N3132PX.
6	Class based Power Management without Port Priority. Supported only on N3048EP-ON and N3132PX.

1:

- When a PD is detected on a specific port, the PoE controller allows power on the port if available power is greater than the maximum power threshold configured on the port, and total allocated power is below the guard band.
- When the available power is less than the maximum power threshold configured on the port and the port priority is lower than the priority of all powered ports the PoE controller does not allow power on the port.
- When the available power is less than the maximum power threshold configured on the port and the port priority is greater than the priority of powered ports, the PoE controller disconnects low priority ports and allows the higher priority port to power up.

2:

- When a PD is detected on a specific port, the PoE controller allows power on the port if available power from the power source is greater than the maximum power threshold configured on the port and the total allocated power is below the guard band.
- When available power is less than the maximum power threshold configured on the port and port priority is less than the port priority set on all powered ports, the PoE controller does not allow power on the port.
- When available power is less than the maximum power threshold configured on the port and the port priority is greater than the priority of currently powered ports, the PoE controller disconnects the low priority ports and allows the port to power up.
- When the total consumed power exceeds the configured power limit of power source, low priority ports are turned off.

3:

- When a PD is detected on a specific port, the PoE controller allows power on the port if available power is greater than the maximum power threshold configured on the port, and total allocated power is below the guard band.
- When the available power is less than the maximum power threshold configured on the port, the PoE controller does not allow power on this port since port priority is not taken into effect, lower priority ports are not disconnected to power higher priority ports.

4:

- When a PD is detected on a specific port, the PoE controller allows power on the port if available power from the power source is greater than the maximum power threshold configured on the port and the total allocated power is below the guard band.
- When the total consumed power exceeds the configured power limit of power source, the PoE controller starts powering down the ports beginning with the highest port number.

5:

- Supported only on all the PoE supported switches except AS4610-30P, AS4610-54P and AS4630-54PE.
- Calculate the total allocated max power for all ports by the PD class, the class max power values are as follows:

Class 0: 15.4W

Class 1: 4W

Class 2: 7W

Class 3: 15.4W

Class 4: 32W (64W, for UPoE port)

- When available power is less than the maximum power threshold configured or the port and the port priority is greater than the priority of currently powered ports, the PoE controller disconnects the low priority ports and allows the port to power up.

6:

- Supported only on all the PoE supported switches except AS4610-30P, AS4610-54P and AS4630-54PE.
- Calculate the total allocated max power for all ports by the PD class, the class max power values are as follows:

Class 0: 15.4W

Class 1: 4W

Class 2: 7W

Class 3: 15.4W

Class 4: 32W (64W, for UPoE port)

- When the available power is less than the maximum power threshold configured on the port, the PoE controller does not allow power on this port since port priority is not taken into effect, lower priority ports are not disconnected to power higher priority ports.

Example

This example is to configure power management-mode to 1:

```
admin@XorPlus# set poe power management-mode 1
admin@XorPlus# commit
```