

set poe interface max-power

NOTE:

This command is not available for N32xx series switches:

- On **N3248PX-ON**, all the RJ45 ports of the switch support UPoE. For these UPoE ports, the maximum output power is 99 watts.
- On **N3248P-ON**, all the RJ45 ports of the switch support PoE but not UPoE, the maximum output power of each port is 30 watts.
- On **N3224PX-ON**, all the RJ45 ports of the switch support UPoE. For these UPoE ports, the maximum output power is 99 watts.
- On **N3224P-ON**, all the RJ45 ports of the switch support PoE but not UPoE, the maximum output power of each port is 30 watts.

The **set poe interface max-power** command configures maximum output power of all the ports or a specific port.

Command Syntax

```
set poe interface {<interface-name> | all} max-power <integer>
```

Parameter

Parameter	Description
interface {< interface-name > all}	Specifies interface name. The value could be ge-1/1/1 to ge-1/1/48, all indicates a global configuration that sets a same maximum output power on all RJ45 ports.
max-power <integer>	Specifies maximum output power of a port. The value is an integer, the unit is watt. <ul style="list-style-type: none">• On AS4610-30P and AS4610-54P,<ul style="list-style-type: none">• Only the last 8 RJ45 ports of the switch, which are, ge-1/1/17 - ge-1/1/24 on AS4610-30P, ge-1/1/41 - ge-1/1/48 on AS4610-54P, support UPoE.• For UPoE ports the range is from 1W to 51W, for other ports the range is from 1W to 32W. The default value is 16W.• On N3048EP-ON,<ul style="list-style-type: none">• Only the first 12 RJ45 ports of the switch, namely, ge-1/1/1 - ge-1/1/12, support UPoE.• For UPoE ports, the maximum output power can be set up to 65 watts. For other ports the range is from 1W to 36W. The default value is 32W.• On N3132PX-ON, all the RJ45 ports of the switch, namely, ge-1/1/1 - ge-1/1/32, support UPoE. For these UPoE ports, the maximum output power can be set up to 65 watts.• On AS4630-54PE, all the RJ45 ports of the switch support UPoE. For these UPoE ports, the maximum output power can be set up to 90 watts, the default value is 30 watts.

Usage Guidelines

Maximum output power configured on a specific port has a higher priority than that of global configuration. For example,

```
admin@Xorplus# set poe interface all max-power 20
admin@Xorplus# set poe interface ge-1/1/7 max-power 25
```

The result of the above configuration is: the maximum output power on ge-1/1/7 port is 25W, other ports are 20W.

NOTE:

- To make the set of max-power take effect, user need to disable and re-enable PoE function of the interface by using the **set poe interface {<port-id> | all} enable <true | false>** command.
- The max-power value should be at least 20% greater than the consumed power of the interface. We can use the **run show poe interface {<port-id> | all}** command to find the consume power.
- PoE over LLDP power negotiation takes a precedence over the max-power configured on the switch. If PoE over LLDP power negotiation function is enabled, the power value provided by PICA8 switch uses power over LLDP negotiation rather than the power value configured on the switch interface.

Example

- Set the maximum output power of port ge-1/1/7 to 30W.

```
admin@Xorplus# set poe interface ge-1/1/7 max-power 30
admin@Xorplus# commit
```