1.1 POE configuration

- POE configuration
- POE policy
- PD query

1.1.1 POE configuration

Commands	Description	CLI mode
poe max-power <power>	Set the maximum total power of the POE system	Global configuration mode **Switch(config)#**
[no] poe enable	Enable/disable POE, default mode enable	Interface configuration mode **Switch(config-ge1/1)#** **Switch(config-vlan1)#**
poe mode (auto|48v|24v)	Setting interface POE mode，(auto/48V/24V)，default auto	Interface configuration mode **Switch(config-ge1/1)#** **Switch(config-vlan1)#**
[no] poe high-power (48v|24v|bt|hipoe)	Setting interface POE output power（The output power of 48v POE and 24v POE can be set separately）default 30w， hipoe 60w，bt 90w，	Interface configuration mode **Switch(config-ge1/1)#** **Switch(config-vlan1)#**
show poe	Show all ports POE info	Common mode **Switch>** Privileged mode **Switch#**

1.2.2 POE Policy

Commands	Description	CLI mode
[no] poe policy enable	Enable/disable POE policy, default mode disable	Interface configuration mode **Switch(config-ge1/1)#** **Switch(config-vlan1)#**
[no] poe policy shutdown clock <clock-value> week-day <day-value>	Setting or cancel interface POE policy entry. This command can be set multiple times, default no Settings POE policy entry. Clock-value is the time or time range in 24-hour. If the value is 1, it means 1 O'clock (Between one and two o 'clock); if the value is 20-23, it means 20 to 23 o'clock (Between 20 and 0 o 'clock). Day-value is the day of the week, which means a certain day or consecutive days. For example, 3 means Wednesday, and 1-7 means Monday through Sunday.The POE policy only takes effect if the POE policy of the interface is enable.	Interface configuration mode **Switch(config-ge1/1)#** **Switch(config-vlan1)#**
show poe policy <if-name>	Show interface POE policy info	Common mode **Switch>** Privileged mode **Switch#**

1.2.3 PD Query

Commands	Description	CLI mode
poe pd-ip-address <ip-address> no poe pd-ip-address	Set or clear the IP address of PD.default no IP address configured.If PD's IP address is configured, it will be periodically queried, and if PD does not respond at a given number of times, PD will be restarted.	Interface configuration mode **Switch(config-ge1/1)#** **Switch(config-vlan1)#**
poe pd-query-interval <interval> no poe pd-query-interval	Set the time interval for PD query . The default time interval is 5 seconds.	Interface configuration mode **Switch(config-ge1/1)#** **Switch(config-vlan1)#**
poe pd-timeout-number <number> no poe pd-timeout-number	Set the timeout number of PD query, and the default timeout number is 3.	Interface configuration mode **Switch(config-ge1/1)#** **Switch(config-vlan1)#**
poe pd-boot-time <time> no poe pd-boot-time	Set the startup time for PD. The default time is 120 seconds.	Interface configuration mode **Switch(config-ge1/1)#** **Switch(config-vlan1)#**
show poe pd-information	show all PD configurations info.	Common mode **Switch>** Privileged mode **Switch#**