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ISCOM2600G (A) Series
Configuration Guide (Web)
(Rel_01)



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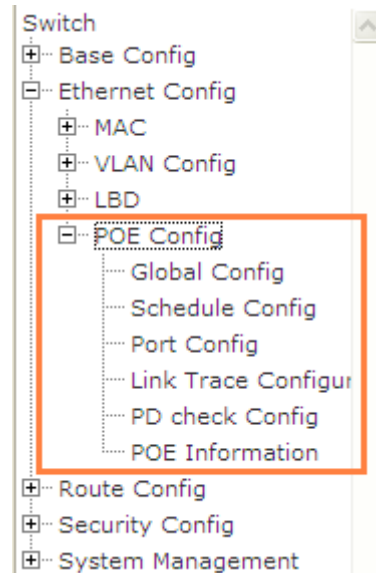
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1.1 PoE Config

Figure 1-1 shows PoE Config in the navigation bar.

Figure 1-1 PoE Config in navigation bar



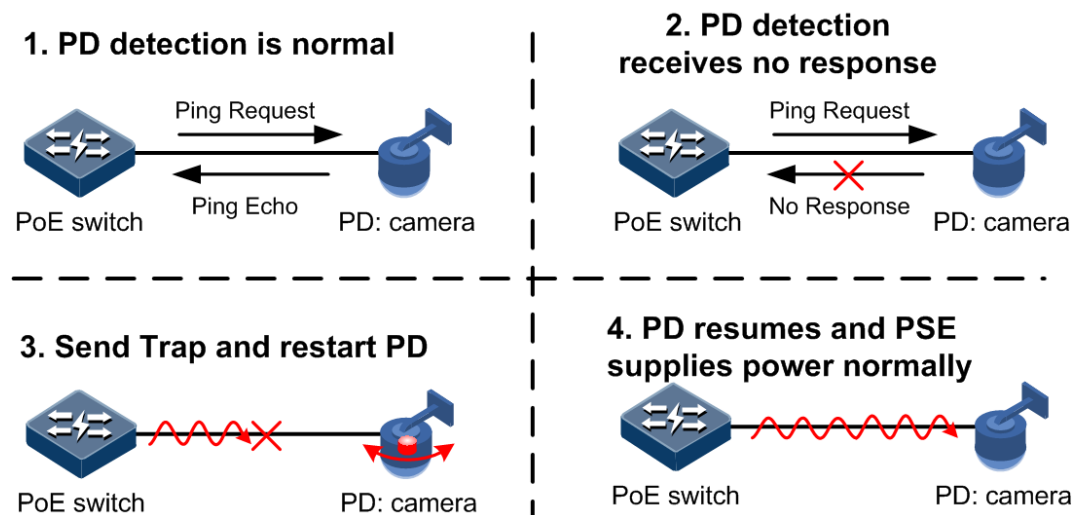
1.1.2 PD check Config

Scenario

PD Active check monitors through link trace whether a PD is active. If the PD fails to respond, the ISCOM2600G series switch will generate a Trap or restart the PoE interface according to configured action. You can configure the PoE interface and PD link trace on this page.

As shown in Figure 1-2, configure PD active check on the PoE switch to monitor the active status of the PD through realtime Ping operations. When the PD fails to respond, the PoE switch will restart the PoE interface to resume the PD. PD active check helps improve reliability of PoE power supply and lower management cost.

Figure 1-2 PD Active check



Configuration steps

- Step 1 In the navigation bar, choose **Ethernet Config** > **POE Config** > **Link Trace Configuration**. The Link Trace Configuration page appears.
- Step 2 Click **Add** to enter the adding page. Configure related items, and click **Apply**.

Figure 1-3 Link State Configure Configuration page

Link State Configure Configuration	
Link Trace ID	* <1-128>
Interval	30 * <1-3600>
Retry Count	3 * <1-5>
IP Address	0.0.0.0 * A.B.C.D
Type	IP v
Source IP	0.0.0.0
Source Port	-- v
Apply Cancel	

- Step 3 You can check the added link trace on the Link Trace Configuration page.

Figure 1-4 Link Trace Configuration page

Link Trace Configuration							
Link Trace ID	Interval(S)	Retry Count	IP Address	CtrlType	Source IP	Source Interface	Operate
2	30	3	20.0.0.1	IP	0.0.0.0	--	Modify Delete
Add							



Note

On the Link State Configure Configuration page,

- IP Address: IP address of the traced PD, required to be in the same network segment with the IP address of the PoE interface
- Source IP: IP address of the source from which check packets are sent, namely, the IP address of the PoE switch
- Source port: port on the source from which check packets are sent
- You can fill in Source IP or Source Port according to you selection in the Type drop-down list.

Step 4 In the navigation bar, choose **Ethernet Config > POE Config > PD check Config**. The PD check Config page appears.

Step 5 You can view configurations of each interface.

To modify a configured item, click **Modify** to enter the modification interface. Configure related items, and click **Apply**.

Figure 1-5 Port POE PD Check Configuration page

Port POE PD Check Configuration	
Port	gigaethernet1/1/1
Check Mode	enable
Check Action	--
Reboot Time	0 <30-300>
Link Trace ID	0 <0-128>
Apply Cancel	

Step 6 You can view modified configurations of PD active check.

Figure 1-6 POE PD Connectivity Check Configuration Information page

POE PD Connectivity Check Configuration Information							
Port	Mode	PD IP Address	Action	Reboot Time	Link Trace ID	Link Trace Status	Operate
gigaethernet1/1/1	enable	20.0.0.1		100	2	fail	Modify
gigaethernet1/1/2	enable	--	--	0	0	--	Modify
gigaethernet1/1/3	enable	--	--	0	0	--	Modify
gigaethernet1/1/4	enable	--	--	0	0	--	Modify
gigaethernet1/1/5	enable	--	--	0	0	--	Modify
gigaethernet1/1/6	enable	--	--	0	0	--	Modify
gigaethernet1/1/7	enable	--	--	0	0	--	Modify
gigaethernet1/1/8	enable	--	--	0	0	--	Modify
Refresh							

Step 7 After configurations are complete, click **Save** to save configurations.



Note

To configure active check on a PD, configure link trace of the IP address of the PD in advance, and bind the PoE interface with link trace ID.

Configuration items

Table 1-1 lists configuration items on the Link State Configure Configuration page.

Table 1-1 Configuration items on the Link State Configure Configuration page

Configuration item	Description
Link Trace ID	Link trace ID, used to identify link trace, an integer, ranging from 1 to 128
Interval	Interval for sending packets of link trace, an integer, ranging from 1 to 3600, in units of second
Retry Count	Maximum number of retry times for link trace, an integer, ranging from 1 to 5
IP Address	Destination IP address of link trace, in dotted decimal notation
Type	Type of link trace • IP: IP address • Port: interface
Source IP	Available when you choose IP from the Type drop-down list, source IP address of link trace, in dotted decimal notation
Source Port	Available when you choose Port from the Type drop-down list, source interface of link trace

Table 1-2 lists configuration items on the Port POE PD Check Configuration page.

Table 1-2 Configuration items on the Port POE PD Check Configuration page

Configuration item	Description
Port	Interface ID
Check Mode	Enable/Disable the check of PoE interfaces and PD connections. • Enable: the PoE switch takes configured actions, such as restart and sending Trap, after active check failure. • Disable: the PoE switch does not respond to link trace notifications after active check failure. By default, it is enable.

Configuration item	Description
Check action	Check action • --: no action • Reboot: the PoE switch restarts the PD after the PoE interface fails to detect PDs. • Reboot&Alarm: the PoE switch restarts the PD and sends a Trap after the PoE interface fails to detect PDs. • Alarm: the PoE switch sends a Trap after the PoE interface fails to detect PDs. By default, it is --, namely, no action.
Reboot Time	Interval for restarting the PoE interface, an integer, in units of second, ranging from 30 to 300 Though the PoE interface detects PD failure, the PoE switch will not restart the PD in a period that is short than the configured reboot time.
Link Trace ID	Link trace ID, an integer, ranging from 1 to 128 The PoE switch checks through link trace whether a PD is active. If the PD stops responding, the PoE switch will restart the PoE interface.

1.1.3 Schedule Config

Scenario

PoE scheduling can control each PoE interface to supply power in the specified period to save power and money for enterprises, or control each PoE interface to restart in a specified period to minimize possibilities of PD damage or buffer overflow.

A PoE scheduling profile is a set of configurations. When you apply it to multiple PoE interfaces, these PoE interfaces have the same PoE features. You can also apply it to a new PoE interface to replace an existing PoE interface without configuring each PoE feature one by one, thus facilitating configurations of PoE features by the network management personnel.

The ISCOM2600G series switch supports multiple PoE scheduling profiles. You can define different PoE configurations for different PDs, them in different PoE scheduling profiles, and apply PoE schedule profiles to corresponding PoE interfaces. By configuring the PoE scheduling profile, you can preconfigure parameters, such as the start time and reboot time, on PoE interfaces to make the ISCOM2600G series switch intelligently supply power over Ethernet and control shutdown of PoE interfaces.

Configuration steps

Step 1 In the navigation bar, choose **Ethernet Config > POE Config > Schedule Config**. The Schedule Config page appears.

Step 2 You can view configured scheduling profiles.

- To modify a configured item, click **Modify** to enter the modification interface. Configure related items, and click **Apply**. In this case, the Profile text box and Rule text box are read only.

- To add an item, click **Add** to enter the adding page. Configure related items, and click **Apply**.
- To delete an item, click **Delete** in the corresponding row.

Figure 1-7 POE Schedule Configuration page

POE Schedule Configuration	
Profile	* <1-4>
Rule	* <1-8>
Start Time	Day: -- v Hour: <0-23> Minute: <0-59>
End Time	Day: -- v Hour: <0-23> Minute: <0-59>
Reboot Time	Day: -- v Hour: <0-23> Minute: <0-59>
Apply Cancel	

Step 3 You can check information about the added PoE scheduling profile on the Schedule Config page.

Figure 1-8 Schedule page

Schedule Profile	Rule	Start Time	End Time	Reboot Time	Operator
1	1	-- 0:0	-- 0:0	Monday 10:23	Modify Delete

Step 4 In the navigation bar, choose **Ethernet Config** > **POE Config** > **Port Config**. The Port Config page appears.

Step 5 Click **Modify** in the row corresponding to the PoE interface. On the modification page, bind a PoE scheduling profile with the PoE interface.

Figure 1-9 Port POE Configuration page

Port POE Configuration	
Port	gigaetherent1/1/1
Power over Ethernet	enable
POE force-power status	disable
Power Priority	Low
Max power(mw)	30000 * [4000-30000]default:30000
Profile	[0-4]
Apply Cancel	



Note

To configure PoE scheduling, you must bind an existing PoE scheduling profile with the PoE interface.

- Step 6 You can view configurations of PD active check on the Port POE Configuration Information page.

Figure 1-10 Port POE Configuration Information page

Port POE Configuration Information						
Port	Power over Ethernet	POE force-power status	Power Priority	Max power(mW)	Profile	Operate
gigaetherent1/1/1	enable	disable	Low	30000	1	Modify
gigaetherent1/1/2	enable	disable	Low	30000	--	Modify
gigaetherent1/1/3	enable	disable	Low	30000	--	Modify
gigaetherent1/1/4	enable	disable	Low	30000	--	Modify
gigaetherent1/1/5	enable	disable	Low	30000	--	Modify
gigaetherent1/1/6	enable	disable	Low	30000	--	Modify
gigaetherent1/1/7	enable	disable	Low	30000	--	Modify
gigaetherent1/1/8	enable	disable	Low	30000	--	Modify

Refresh

- Step 7 After configurations are complete, click **Save** to save configurations.

Configuration items

Table 1-3 lists configuration items on the POE Schedule Configuration page.

Table 1-3 Configuration items on the POE Schedule Configuration page

Configuration item	Description
Profile	Preconfigured scheduling profile, an integer, ranging from 1 to 4
Rule	Preconfigured rule ID, an integer, ranging from 1 to 8

Configuration item	Description
Start Time	Start time for PoE power supply, with configurable date and time
End Time	End time for PoE power supply, with configurable date and time
Reboot Time	Restart time for PoE power supply, with configurable date and time

Table 1-4 lists configuration items on the Port POE Configuration page.

Table 1-4 Configuration items on the Port POE Configuration page

Configuration item	Description
Port	Interface ID
Power over Ethernet	Current status of a PoE interface • Enable • Disable By default, it is enable. If PoE power supply is disabled on a PoE interface, the PoE switch will not supply power to the PD connected to the PoE interface nor reserve power for the PD.
POE force-power status	PoE forcible power supply status • Enable • Disable By default, it is disable.
Power Priority	Current priority of power supply on the interface • Low • High • Critical
Max power(mw)	Maximum output power of the PoE switch, an integer, ranging from 4000 to 30000, in units of mW, being 30000 mW by default
Profile	PoE scheduling profile preconfigured on a PoE interface, an integer, ranging from 1 to 4 You should configure a PoE scheduling profile and then apply it to a PoE interface.

