

View Link Layer Discovery Protocol (LLDP) Port Status Information on a Switch

Objective

Link Layer Discovery Protocol (LLDP) Media Endpoint Discovery (MED) provides additional capabilities to support media endpoint devices such as to enable the advertisement of network policies for applications like voice or video, device location discovery, and troubleshooting information. LLDP and Cisco Discovery Protocol (CDP) are both similar protocols, and the difference is that LLDP facilitates vendor interoperability and CDP is Cisco proprietary. LLDP can be used in scenarios where the user needs to work between devices which are not Cisco proprietary and devices which are Cisco proprietary.

The LLDP protocol is useful to network administrators for troubleshooting purposes. The switch gives all the information about the current LLDP status of ports. The network administrator can use this information to fix connectivity problems within the network.

Note: To know how to configure LLDP properties on a switch, click [here](#) for instructions.

This article provides instructions on how to view the LLDP port status information on a switch.

Applicable Devices

- Sx250 Series
- Sx300 Series
- Sx350 Series
- SG350X Series
- Sx500 Series
- Sx550X Series

Software Version

- 1.4.7.05 — Sx300, Sx500
- 2.2.8.04 — Sx250, Sx350, SG350X, Sx550X

View LLDP Port Status Information

Step 1. Access the web-based utility of the switch then choose **Administration > Discover – LLDP > LLDP Port Status**.



LLDP Port Status Global Information

The following information will be displayed:

LLDP Port Status	
LLDP Port Status Global Information	
Chassis ID Subtype:	MAC address
Chassis ID:	40:a6:e8:e6:f4:d3
System Name:	switche6f4d3
System Description:	SG350X-48MP 48-Port Gigabit PoE Stackable Managed Switch
Supported System Capabilities:	Bridge, Router
Enabled System Capabilities:	Bridge, Router
Port ID Subtype:	Interface name

- Chassis ID Subtype — Type of chassis ID.

Note: In this example, the Chassis ID Subtype is MAC address.

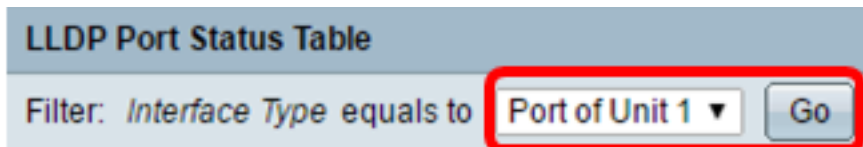
- Chassis ID — Identifier of chassis. Where the chassis ID subtype is a Media Access

Control (MAC) address, the MAC address of the device appears.

- System Name — Name of device.
- System Description — Description of the device in alpha-numeric format.
- Supported System Capabilities — Primary functions of the device, such as Bridge, Wireless Local Area Network (WLAN) Access Point (AP), or Router.
- Enabled System Capabilities — Primary enabled function or functions of the device.
- Port ID Subtype — Type of the port identifier that is shown.

LLDP Port Status Table

Step 2. Choose the desired interface type from the Interface Type drop-down list then click **Go**.



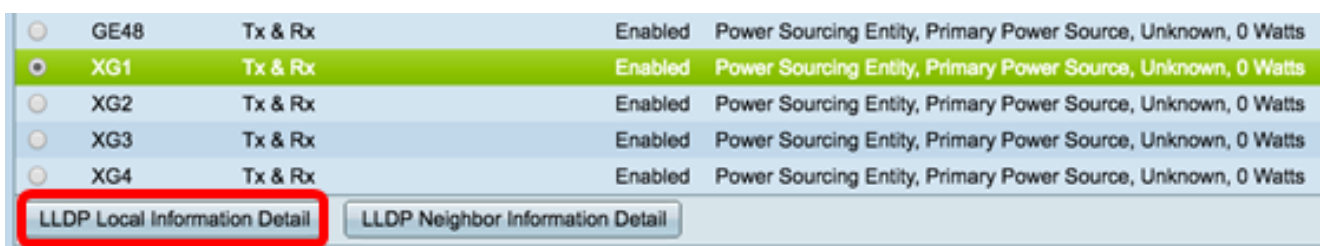
Note: In this example, Port of Unit 1 is chosen.

The following information will be displayed:

Interface	LLDP Status	LLDP MED Status	Local PoE (Power Type, Power Source, Power Priority, Power Value)	Remote PoE (Power Type, Power Source, Power Priority, Power Value)	# of neighbors	Neighbor capability of 1st device
GE1	Tx & Rx	Enabled	Power Sourcing Entity, Primary Power Source, Unknown, 0 Watts		0	
GE2	Tx & Rx	Enabled	Power Sourcing Entity, Primary Power Source, Unknown, 0 Watts		0	
GE3	Tx & Rx	Enabled	Power Sourcing Entity, Primary Power Source, Unknown, 0 Watts	N/A, N/A, N/A, N/A	1	Bridge
GE4	Tx & Rx	Enabled	Power Sourcing Entity, Primary Power Source, Low, 0 Watts		0	
GE5	Tx & Rx	Enabled	Power Sourcing Entity, Primary Power Source, Unknown, 0 Watts		0	

- Interface — Port identifier.
- LLDP Status — LLDP publishing option.
- LLDP MED Status — Enabled or disabled.
- Local PoE (Power Type, Power Source, Power Priority, Power Value) — Local Power over Ethernet (PoE) information advertised.
- Remote PoE (Power Type, Power Source, Power Priority, Power Value) — PoE information advertised by the neighbor.
- # of neighbors — Number of neighbors discovered.
- Neighbor Capability of 1st Device — Displays the primary functions of the neighbor; for example: Bridge or Router.

Step 3. (Optional) Click the **LLDP Local Information Detail** button to view the LLDP Local Information. To learn more about this feature, click [here](#) for instructions.



<input type="radio"/>	GE48	Tx & Rx	Enabled	Power Sourcing Entity, Primary Power Source, Unknown, 0 Watts
<input checked="" type="radio"/>	XG1	Tx & Rx	Enabled	Power Sourcing Entity, Primary Power Source, Unknown, 0 Watts
<input type="radio"/>	XG2	Tx & Rx	Enabled	Power Sourcing Entity, Primary Power Source, Unknown, 0 Watts
<input type="radio"/>	XG3	Tx & Rx	Enabled	Power Sourcing Entity, Primary Power Source, Unknown, 0 Watts
<input type="radio"/>	XG4	Tx & Rx	Enabled	Power Sourcing Entity, Primary Power Source, Unknown, 0 Watts

Step 4. (Optional) Click the **LLDP Neighbor Information Detail** button to view the LLDP Local Information. To learn more about this feature, click [here](#) for instructions.

<input type="radio"/>	GE48	Tx & Rx	Enabled	Power Sourcing Entity, Primary Power Source, Unknown, 0 Watts
<input checked="" type="radio"/>	XG1	Tx & Rx	Enabled	Power Sourcing Entity, Primary Power Source, Unknown, 0 Watts
<input type="radio"/>	XG2	Tx & Rx	Enabled	Power Sourcing Entity, Primary Power Source, Unknown, 0 Watts
<input type="radio"/>	XG3	Tx & Rx	Enabled	Power Sourcing Entity, Primary Power Source, Unknown, 0 Watts
<input type="radio"/>	XG4	Tx & Rx	Enabled	Power Sourcing Entity, Primary Power Source, Unknown, 0 Watts
<input type="button" value="LLDP Local Information Detail"/>		<input checked="" type="button" value="LLDP Neighbor Information Detail"/>		

You should now have viewed the port status information on your switch.