

Smartport Configuration on Sx500 Series Stackable Switches

Objective

A Smartport is an interface to which a built-in (or user-defined) macro may be applied. These macros are designed to provide a means to configure the switch quickly to support the communication requirements and utilize the features of various types of network devices. The network access and QoS requirements vary if the interface is connected to an IP phone, a printer, or a router and/or Access Point (AP).

The article explains how to configure Smartport on Sx500 Series Stackable Switches.

Applicable Devices

- Sx500 Series Stackable Switches

Software Version

- 1.3.0.62

Smartport Configuration Procedure

Step 1. Log in to the web configuration utility, and choose **Smartport > Properties**. The *Properties* page opens.

Step 2. Configure these parameters:

- Administrative Auto Smartport — Click a radio button to globally enable or disable Auto Smartport. These options are available:

- Disable — Disable Smartport in the switch.
- Enable — Enables Smartport feature manually.
- Enable by Auto Voice VLAN — Smartport features are on if Auto Voice VLAN is configured. It is the default configuration.

- Auto Smartport Device Detection Method — Check a check box for whether incoming CDP, LLDP, or both types of packets are used to detect the Smartport type of the attached device(s). At least one must be checked in order for Auto Smartport to identify devices.

- CDP — Cisco Discovery Protocol (CDP) is a Cisco proprietary data link protocol used to share information about directly connected Cisco devices.

- LLDP — Link Layer Discovery Protocol (LLDP) is a vendor-neutral protocol used by network devices to advertise their identity to neighbor devices.

- Auto Smartport Device Detection — Check the check box for each type of device for which Auto Smartport can assign Smartport types to interfaces. If unchecked, Auto Smartport will not assign that Smartport type to any interface.
 - Host — Any user PC or laptop with LLDP capability.
 - IP Phone — CDP or LLDP capable IP Phone.
 - IP Phone + Desktop — IP phone or Soft IP Phone installed on the desktop.
 - Switch — CDP or LLDP enabled switches.
 - Router — Layers 3 device with CDP or LLDP feature enabled.
 - Wireless Access Point — Layer 2 or Layer 3 wireless Access Points with CDP or LLDP capability.

- Operational CDP Status — By default, this is enabled. It displays the operational status of CDP. To learn more about CDP properties refer to the article,
 - *Cisco Discovery Protocol (CDP) Properties Settings on Sx500 Series Stackable Switches.*
- Operational LLDP Status — By default, this is enabled. It displays the operational status of LLDP. To learn more about LLDP properties refer to the article,

Configuration of Link Layer Discovery Protocol (LLDP) Properties on Sx500 Series Stackable Switches.

Step 3. Click **Apply** to save the changes. This sets the global Smartport parameters on the switch.