

Smartport Type Settings on Sx500 Series Stackable Switches

Objective

A Smartport is an interface to which user-defined or built-in macros could be applied. Macros help to quickly configure the switch to support communication requirements and utilize various features of the network devices. Network access and QoS requirements depend on the device to which the interface is connected (IP phone, printer, router, or access point). The Smartport feature allows you to save and share common configurations. A macro is a script of CLI commands.

This article explains how to edit the smartport type settings and view the macro source on Sx500 Series Stackable Switches.

Note: Macros can be defined with the CLI of the switch.

Applicable Devices

- Sx500 Series Stackable Switches

Software Version

- 1.3.0.62

Smartport Type Settings

Step 1. Log in to web configuration utility and choose **Smartport > Smartport Type Settings**. The *Smartport Type Settings* page opens:

Smartport Type	Macro		Parameter 1		Parameter 2		Parameter 3	
	Name	Type	Name	Value	Name	Value	Name	Value
<input type="radio"/> Printer	printer	Built-in	\$native_vlan	1				
<input type="radio"/> Desktop	desktop	Built-in	\$max_hosts	10	\$native_vlan	1		
<input type="radio"/> Guest	guest	Built-in	\$native_vlan	1				
<input type="radio"/> Server	server	Built-in	\$max_hosts	10	\$native_vlan	1		
<input type="radio"/> Host	host	Built-in	\$max_hosts	10	\$native_vlan	1		
<input type="radio"/> IP Camera	ip_camera	Built-in	\$native_vlan	1				
<input type="radio"/> IP Phone	ip_phone	Built-in	\$max_hosts	1	\$native_vlan	1	\$voice_vlan	1
<input checked="" type="radio"/> IP Phone + Desktop	ip_phone_desktop	Built-in	\$max_hosts	10	\$native_vlan	1	\$voice_vlan	1
<input type="radio"/> Switch	switch	Built-in	\$native_vlan	1	\$voice_vlan	1		
<input type="radio"/> Router	router	Built-in	\$native_vlan	1	\$voice_vlan	1		
<input type="radio"/> Wireless Access Point	ap	Built-in	\$native_vlan	1	\$voice_vlan	1		

Buttons: Edit... View Macro Source...

Step 2. (Optional) To view a smartport macro of a particular smartport type, click the radio button next to the Smartport Type field and then click **View Macro Source**.

Step 3. To edit the parameters of a macro or assign a user-defined macro click the radio button next to the smartport type and then click **Edit**. The *Edit Smartport Type Settings* window appears.

Port Type: IP Phone + Desktop

Macro Name: ip_phone_desktop

Macro Type: Built-in Macro User Defined Macro

User Defined Macro:

Macro Parameters

Parameter 1 Name: \$max_hosts
Parameter 1 Value: 10
Parameter 1 Description: The maximum number of allowed devices on the port

Parameter 2 Name: \$native_vlan
Parameter 2 Value: 2
Parameter 2 Description: The untag VLAN which will be configured on the port

Parameter 3 Name: \$voice_vlan
Parameter 3 Value: 1
Parameter 3 Description: The voice VLAN ID

Apply Restore Defaults Close

Step 4. (Optional) Choose a port type from the Port type drop-down list to edit the configuration of the desired port type.

Note: The Macro Name field displays the macro name configured to the smartport type.

Step 5. Click the radio button of the desired Smartport macro type.

- Built-in Macro — Default built in macro.
- User Defined Macro — Macro created by user from the CLI.

Step 6. If User Defined Macro is chosen, choose the name of the macro from the User Defined Macro drop-down list.

Step 7. In the Macro Parameters field, you can edit at most two sets of parameters of the macro. The third parameter is for the default voice VLAN. The parameters available are:

- Parameter Name — Displays the name of the parameter.
- Parameter Value — Displays the value set for the parameter. To edit this value, enter the new value for this parameter in the Parameter Value field.
- Parameter Description — Displays the description of this parameter.

Step 8. Click **Apply**.

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Smartport Type Setting Table									
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<input type="radio"/>	Printer	printer	Built-in	\$native_vlan	1				
<input type="radio"/>	Desktop	desktop	Built-in	\$max_hosts	10	\$native_vlan	1		
<input type="radio"/>	Guest	guest	Built-in	\$native_vlan	1				
<input type="radio"/>	Server	server	Built-in	\$max_hosts	10	\$native_vlan	1		
<input type="radio"/>	Host	host	Built-in	\$max_hosts	10	\$native_vlan	1		
<input type="radio"/>	IP Camera	ip_camera	Built-in	\$native_vlan	1				
<input type="radio"/>	IP Phone	ip_phone	Built-in	\$max_hosts	10	\$native_vlan	1	\$voice_vlan	1
<input checked="" type="radio"/>	IP Phone + Desktop	ip_phone_desktop	Built-in	\$max_hosts	10	\$native_vlan	2	\$voice_vlan	1
<input type="radio"/>	Switch	switch	Built-in	\$native_vlan	1	\$voice_vlan	1		
<input type="radio"/>	Router	router	Built-in	\$native_vlan	1	\$voice_vlan	1		
<input type="radio"/>	Wireless Access Point	ap	Built-in	\$native_vlan	1	\$voice_vlan	1		