

# Smartport Interface Configuration on the 200/300 Series Managed Switches

## Objective

The 200/300 Series Managed Switches offers Smartports. Smartports detect a device currently connected to the switch, and automatically apply a configuration or macro to properly configure this device. You can edit an interface to apply this setup to specific devices. Smartports are a good way to set up different devices connected to a switch. This article explains how to configure Smartport on an interface on the 200/300 Series Managed Switches.

## Applicable Devices

- SF/SG 200 and SF/SG 300 Series Managed Switches

## Software Version

- 1.3.0.62

## Smartport Interface Configuration

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

## Interface Settings

Reapply Smartport Macro:  All Switches, Routers and Wireless Access Points  
 All Switches  
 All Routers  
 All Wireless Access Points

Apply

Cancel

The operational [Auto Smartport](#) status is enabled.

### Interface Settings Table

Showing 1-26 of 26 All per page

Filter: *Interface Type* equals to Port

*Smartport Type* equals to Unknown Go

	Entry No.	Interface	Interface Status	Smartport Type	Smartport Application Method	Persistent Status
<input type="radio"/>	1	FE1	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	2	FE2	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	3	FE3	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	4	FE4	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	5	FE5	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	6	FE6	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	7	FE7	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	8	FE8	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	9	FE9	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	10	FE10	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	11	FE11	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	12	FE12	Up	Default	Auto Smartport	Disabled
<input type="radio"/>	13	FE13	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	14	FE14	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	15	FE15	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	16	FE16	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	17	FE17	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	18	FE18	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	19	FE19	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	20	FE20	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	21	FE21	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	22	FE22	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	23	FE23	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	24	FE24	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	25	GE1	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	26	GE2	Down	Default	Auto Smartport	Disabled

Copy Settings... Edit... Show Diagnostics Reapply Reset All Unknown Smartports

Step 2. In the Reapply Smartport Macro field, click one of the radio buttons available to choose the devices to reapply a macro:

- All Switches, Router and Wireless Access points — Macro is reapplied to all switches, routers, and wireless access points.

- All Switches — Macro is reapplied only to switches.
- All Routers — Macro is reapplied only to routers.
- All Wireless Access Points — Macro is reapplied only to wireless access points.

Step 3. Click **Apply** to reapply the macro on the chose devices.

**Note:** The **Show Diagnostics**, **Reapply** and **Reset All Unkown Smartports** buttons are enabled only if a Smartport macro fails and the type of an interface is unknown. If this is the case, click **Show Diagnostic** to see where the macro failed. After the macro is fixed, you can click **Reapply** to reapply the macro. If the problem persists, click **Reset All Unknown Smartports** to set the interfaces to their default values. You can reapply the macro once the macro is totally fixed.

## Interface Settings

Reapply Smartport Macro:  All Switches, Routers and Wireless Access Points  
 All Switches  
 All Routers  
 All Wireless Access Points

Apply

Cancel

The operational [Auto Smartport](#) status is enabled.

### Interface Settings Table

Showing 1-26 of 26  per page

Filter: *Interface Type* equals to

*Smartport Type* equals to

	Entry No.	Interface	Interface Status	Smartport Type	Smartport Application Method	Persistent Status
<input type="radio"/>	1	FE1	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	2	FE2	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	3	FE3	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	4	FE4	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	5	FE5	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	6	FE6	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	7	FE7	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	8	FE8	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	9	FE9	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	10	FE10	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	11	FE11	Down	Default	Auto Smartport	Disabled
<input checked="" type="radio"/>	12	FE12	Up	Default	Auto Smartport	Disabled
<input type="radio"/>	13	FE13	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	14	FE14	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	15	FE15	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	16	FE16	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	17	FE17	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	18	FE18	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	19	FE19	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	20	FE20	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	21	FE21	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	22	FE22	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	23	FE23	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	24	FE24	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	25	GE1	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	26	GE2	Down	Default	Auto Smartport	Disabled

Copy Settings...

Edit...



Show Diagnostics

Reapply

Reset All Unknown Smartports

Step 4. To edit the Auto Smartport configuration of a particular interface, click the radio button of the interface you would like to edit.

Step 5. Click **Edit**. The *Edit Interface Setting* window appears.

Interface:	<input checked="" type="radio"/> Port <b>FE12</b> <input type="radio"/> LAG <b>1</b>
Smartport Type:	Default
Smartport Application:	IP Phone
Smartport Application Method:	Auto Smartport
Persistent Status:	<input type="checkbox"/> Enabled
<b>Macro Parameters</b>	
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:	1
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
<input type="button" value="Apply"/> <input type="button" value="Close"/> <input type="button" value="Reset"/>	

**Note:** If you would like to edit a LAG (Link Aggregation Group) interface, click **LAG**. From the LAG drop-down list, choose the LAG you would like to edit. A LAG combines individual interfaces into a single logical link, which provides an aggregate bandwidth of up to eight physical links.

The Smartport Type field displays the current Smartport type configured on the chosen interface.

Step 6. Choose the application that you would like to apply to the chosen interface from the Smartport Application drop-down list.

The Smartport Application Method field displays the current method applied to the chosen interface. Interfaces are assigned with the Auto Smartport application method by default. If no application is chosen from Step 6, then Auto Smartport chooses an application based on the information given in the CDP (Cisco Discovery Protocol) and/or LLDP (Link Layer Discovery Protocol) which are protocols that gather all the necessary information about the connected devices on the switch.

Step 7. In the Persistent Status field, check the **Enabled** check box to enable persistent status on the interface. This option is available only if in Step 6 Auto Smartport was chosen as the Smartport Application. With Persistent Status enabled, auto Smartport remains enabled in the interface even if the interface goes down or the switch is rebooted.

Step 8. The Macro Parameters field displays the next information for up to three parameters of a macro. These parameters vary accordingly with the Smartport Application chosen in step 5. The following parameters are displayed:

- **Parameter Name** — Displays the name of the parameter in the current macro.
- **Parameter Value** — Displays the current parameter value of the macro. For **Parameter 1 Value**, this value represents the maximum number of hosts/devices the port allows. For **Parameter 2 Value**, this value represents the VLAN ID assigned to the port. You can edit both **Parameter 1** and **2** values, but you can't edit **Parameter 3 Value**. **Parameter 3 Value** is fixed and cannot be modified.
- **Parameter Description** — Displays a brief description of the parameter.

Step 8. (Optional) Click **Reset** to set the current interface to the default values.

Step 9. Click **Apply** to save your configuration.

## **Apply a Smartport Interface Configuration to Multiple Interfaces**

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

## Interface Settings

Reapply Smartport Macro:  All Switches, Routers and Wireless Access Points  
 All Switches  
 All Routers  
 All Wireless Access Points

Apply

Cancel

The operational [Auto Smartport](#) status is enabled.

### Interface Settings Table

Showing 1-26 of 26  per page

Filter: *Interface Type* equals to

*Smartport Type* equals to

	Entry No.	Interface	Interface Status	Smartport Type	Smartport Application Method	Persistent Status
<input type="radio"/>	1	FE1	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	2	FE2	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	3	FE3	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	4	FE4	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	5	FE5	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	6	FE6	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	7	FE7	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	8	FE8	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	9	FE9	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	10	FE10	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	11	FE11	Down	Default	Auto Smartport	Disabled
<input checked="" type="radio"/>	12	FE12	Up	IP Phone	Static	Disabled
<input type="radio"/>	13	FE13	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	14	FE14	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	15	FE15	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	16	FE16	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	17	FE17	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	18	FE18	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	19	FE19	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	20	FE20	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	21	FE21	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	22	FE22	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	23	FE23	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	24	FE24	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	25	GE1	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	26	GE2	Down	Default	Auto Smartport	Disabled

Copy Settings...

Edit..

Show Diagnostics

Reapply

Reset All Unknown Smartports

Step 2. Click the radio button of the interface that you would like to apply to multiple interfaces.

Step 3. **Click Copy Settings.** The *Copy Settings* window appears.

Copy configuration from entry 12 (FE12)

to:  (Example: 1,3,5-10 or: FE1,FE3-FE5)

Step 4. In the To field, enter the interfaces you want to apply the configuration of the interface chosen in Step 2. You can enter a single interface or a range of interfaces. You can use the interface numbers or the name of the interfaces as input. You can enter each interface separated by a comma (For example: 1, 3, 5 or GE1, GE3, GE5) or you can enter a range of interfaces (For example: 1-5 or GE1-GE5).

Step 5. Click **Apply** to save your configuration.

The image below depicts the changes after the configuration.



## Interface Settings

- Reapply Smartport Macro:  All Switches, Routers and Wireless Access Points  
 All Switches  
 All Routers  
 All Wireless Access Points



The operational [Auto Smartport](#) status is enabled.

Interface Settings Table

Showing 1-26 of 26  per page

Filter: *Interface Type* equals to

*Smartport Type* equals to

	Entry No.	Interface	Interface Status	Smartport Type	Smartport Application Method	Persistent Status
<input type="radio"/>	1	FE1	Down	Default	Auto Smartport	Disabled
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<input type="radio"/>	3	FE3	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	4	FE4	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	5	FE5	Down	IP Phone	Static	Disabled
<input type="radio"/>	6	FE6	Down	IP Phone	Static	Disabled
<input type="radio"/>	7	FE7	Down	IP Phone	Static	Disabled
<input type="radio"/>	8	FE8	Down	IP Phone	Static	Disabled
<input type="radio"/>	9	FE9	Down	IP Phone	Static	Disabled
<input type="radio"/>	10	FE10	Down	IP Phone	Static	Disabled
<input type="radio"/>	11	FE11	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	12	FE12	Up	IP Phone	Static	Disabled
<input type="radio"/>	13	FE13	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	14	FE14	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	15	FE15	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	16	FE16	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	17	FE17	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	18	FE18	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	19	FE19	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	20	FE20	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	21	FE21	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	22	FE22	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	23	FE23	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	24	FE24	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	25	GE1	Down	Default	Auto Smartport	Disabled
<input type="radio"/>	26	GE2	Down	Default	Auto Smartport	Disabled