

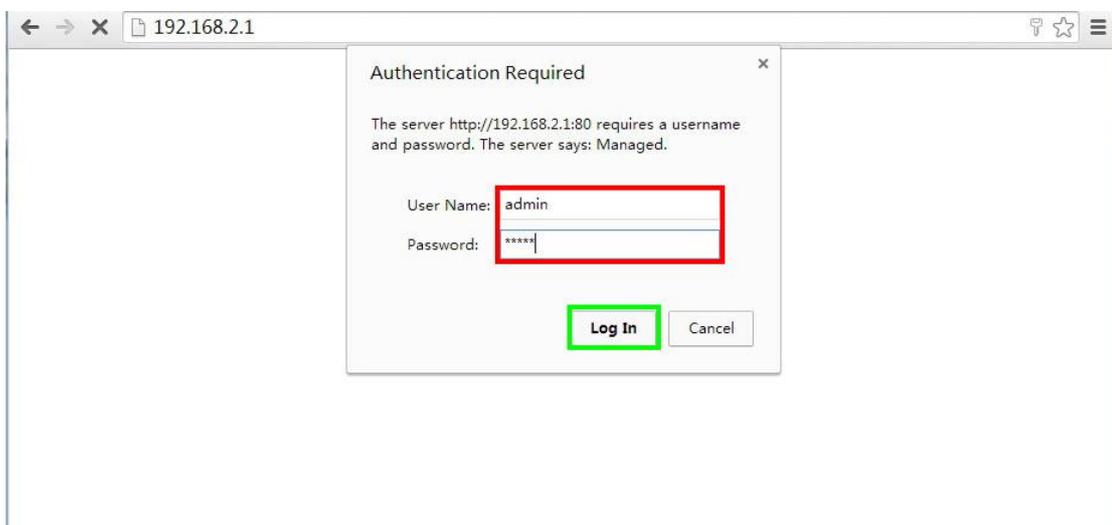


SINGLE SWITCH CONFIGURATION TO WORK WITH MOST 1G VIDEO OVER IP SOLUTIONS

Basic Operations

1. Logging On to the Switches

Connect PC to the switch with a network cable and configure PC's IP address correctly. Enter switch's web login IP address (default is **192.168.2.1**) in a browser and then press **Enter**. The browser will show a dialog box like below:



Operate as follows.

- Input username (default is “**admin**”) and password (default is “**admin**”)

Then click **Log In**.



2. Resetting to Factory Defaults



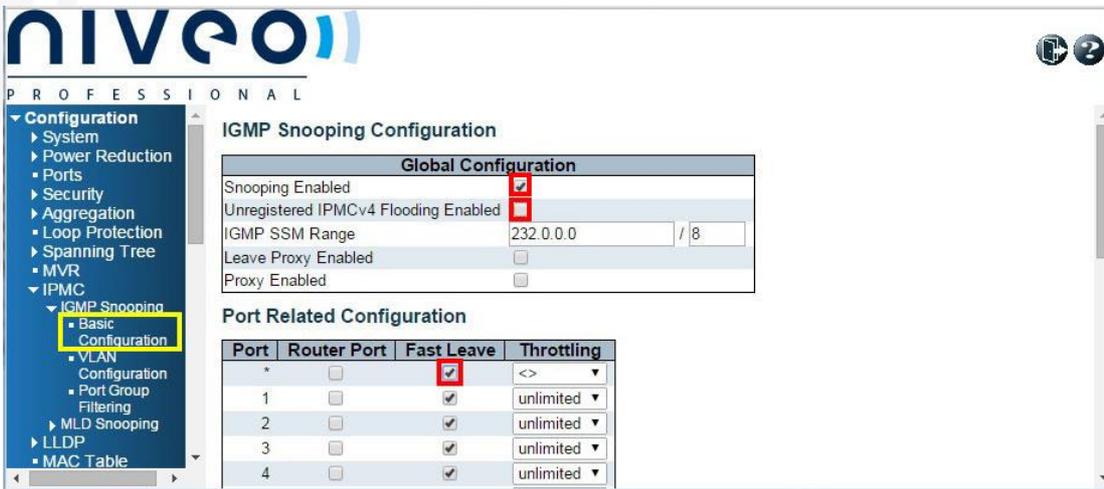
As shown in the figure above, choose **Maintenance** -> **Factory Defaults**, then click **Yes**, the switch will reset its configuration to factory defaults. Once the resetting finished, the switch will give a report as below:



3. Configuration for Non-stack

Niveo series switches can be used for single switch networking or cascading switch networking. In this chapter, we'll provide the configuration guiding with the example of NGSM24T2.

1. Basic configuration

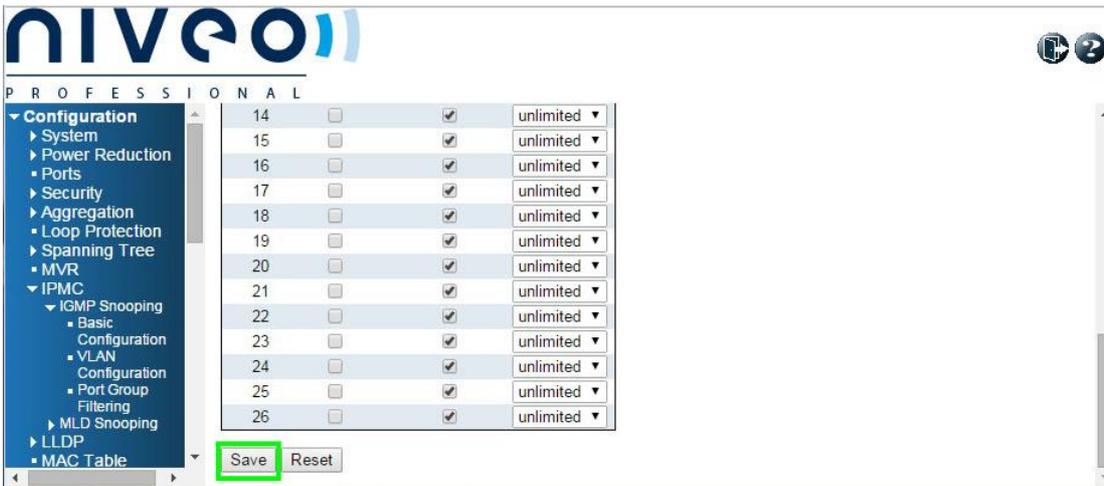


As shown in the figure above, choose **Configuration -> IPMC -> IGMP Snooping -> Basic Configuration**, then operate as below.

- ❏ Check for **Snooping Enabled**
- ❏ Uncheck for **Unregistered IPMCv4 Flooding Enabled**
- ❏ Check the cell corresponding to the column **Fast Leave** in the first row of the list

Because Niveo switches may be located in different places in networking model, their configuration differs a little. For more information, see below.

A. Single Switch or Extended Switch in Cascading Networking



As shown in the figure above, just scroll the page down and click **Save**.

B. Core Switch in Cascading Networking



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- Configuration
 - System
 - Power Reduction
 - Ports
 - Security
 - Aggregation
 - Loop Protection
 - Spanning Tree
 - MVR
 - IPMC
 - IGMP Snooping
 - Basic
 - Configuration
 - VLAN Configuration
 - Port Group
 - Filtering
 - MLD Snooping
 - LLDP
 - MAC Table

14	<input type="checkbox"/>	<input checked="" type="checkbox"/>	unlimited
15	<input type="checkbox"/>	<input checked="" type="checkbox"/>	unlimited
16	<input type="checkbox"/>	<input checked="" type="checkbox"/>	unlimited
17	<input type="checkbox"/>	<input checked="" type="checkbox"/>	unlimited
18	<input type="checkbox"/>	<input checked="" type="checkbox"/>	unlimited
19	<input type="checkbox"/>	<input checked="" type="checkbox"/>	unlimited
20	<input type="checkbox"/>	<input checked="" type="checkbox"/>	unlimited
21	<input type="checkbox"/>	<input checked="" type="checkbox"/>	unlimited
22	<input type="checkbox"/>	<input checked="" type="checkbox"/>	unlimited
23	<input type="checkbox"/>	<input checked="" type="checkbox"/>	unlimited
24	<input type="checkbox"/>	<input type="checkbox"/>	unlimited
25	<input type="checkbox"/>	<input checked="" type="checkbox"/>	unlimited
26	<input type="checkbox"/>	<input checked="" type="checkbox"/>	unlimited

Save Reset

As shown in the figure above, uncheck the **Fast Leave** cell of the cascading port, namely, port 24, then scroll down the page and click **Save**.

Note:

In the example, we assume that ports 24 is the cascading port. If actual applications vary, select another port according to the site’s situation.

2. VLAN configuration

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IGMP Snooping VLAN Configuration

Refresh << >>

Start from VLAN 1 with 20 entries per page.

Delete	VLAN ID	Snooping Enabled	IGMP Querier	Compatibility	RV	QI (sec)	QRI (0.1 sec)	LLQI (0.1 sec)	URI (sec)
Add New IGMP VLAN									

Save Reset

192.168.2.1/ipmc_igmps_vlan.htm

As shown in the figure above, choose **Configuration -> IPMC -> IGMP Snooping -> VLAN Configuration**, click **Add New IGMP VLAN**. The subsequent configuration differs according to the switch’s place in the networking.

- A. Single Switch or Core Switch in the Cascading Networking



Configuration

- System
- Power Reduction
- Ports
- Security
- Aggregation
- Loop Protection
- Spanning Tree
- MVR
- IPMC
 - IGMP Snooping
 - Basic Configuration
 - VLAN Configuration
 - Port Group Filtering
 - MLD Snooping
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 - MAC Table

IGMP Snooping VLAN Configuration Refresh << >>

Start from VLAN 1 with 20 entries per page.

Delete	VLAN ID	Snooping Enabled	IGMP Querier	Compatibility	RV	QI (sec)	QRI (0.1 sec)	LLQI (0.1 sec)	URI
Delete	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Forced IGMPv2	2	125	100	10	

Add New IGMP VLAN

Save Reset

As shown in the figure above, configure as below:

- 1 Set 1 for **VLAN ID**
- 2 Check **Snooping Enabled**
- 3 Check **IGMP Querier**
- 4 Select **Forced IGMPv2** for **Compatibility**

Then click **Save**, the screen will change as below:

Configuration

- System
- Power Reduction
- Ports
- Security
- Aggregation
- Loop Protection
- Spanning Tree
- MVR
- IPMC
 - IGMP Snooping
 - Basic Configuration
 - VLAN Configuration
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IGMP Snooping VLAN Configuration Refresh << >>

Start from VLAN 1 with 20 entries per page.

Delete	VLAN ID	Snooping Enabled	IGMP Querier	Compatibility	RV	QI (sec)	QRI (0.1 sec)	LLQI (0.1 sec)	URI
<input type="checkbox"/>	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Forced IGMPv2	2	125	100	10	

Add New IGMP VLAN

Save Reset

As shown in the figure above, a checkbox appears in the **Delete** cell, and the other configuration items are the same as what we configured ago.

- B. Extended Switch in the Cascading Networking



Configuration

PROFESSIONAL

IGMP Snooping VLAN Configuration

Refresh << >>

Start from VLAN 1 with 20 entries per page.

Delete	VLAN ID	Snooping Enabled	IGMP Querier	Compatibility	RV	QI (sec)	QRI (0.1 sec)	LLQI (0.1 sec)	URI
Delete	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Forced IGMPv2	2	125	100	10	

Add New IGMP VLAN

Save Reset

As shown in the figure above, configure as below:

- 1 Set 1 for **VLAN ID**
- 2 Check **Snooping Enabled**
- 3 Uncheck **IGMP Querier**
- 4 Select **Forced IGMPv2** for **Compatibility**

Then click **Save**, the screen will change as below:

Configuration

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IGMP Snooping VLAN Configuration

Refresh << >>

Start from VLAN 1 with 20 entries per page.

Delete	VLAN ID	Snooping Enabled	IGMP Querier	Compatibility	RV	QI (sec)	QRI (0.1 sec)	LLQI (0.1 sec)	URI
<input checked="" type="checkbox"/>	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Forced IGMPv2	2	125	100	10	

Add New IGMP VLAN

Save Reset

As shown in the figure above, a checkbox appears in the **Delete** cell, and other configuration items are the same as what we configured ago.