

WYRESTORM NETWORKHD™ SWITCH CONFIGURATION GUIDE

Niveo NGSM Series Switches



NetworkHD™ uses the following features of your switch.

Multicast Video

With multicast video only one instance of the video stream is transmitted onto the network and the clients in turn grab a copy of the video from the switch.

IGMP Snooping

IGMP snooping is the process of listening to Internet Group Management Protocol (IGMP) network traffic. The feature allows a network switch to listen in on the IGMP conversation between hosts and routers and forward the video stream to only the ports that require it.

In the **Niveo switch configuration web UI** Select **Configuration > IPMC > IGMP Snooping > Basic Configuration**

In the **IGMP Snooping configuration screen** apply the following settings:

Global Configuration	
Snooping Enabled	<input checked="" type="checkbox"/> 1
Unregistered IPMCv4 Flooding Enabled	<input type="checkbox"/> 2
IGMP SSM Range	3 232.0.0.0 / 8
Leave Proxy Enabled	<input checked="" type="checkbox"/> 4
Proxy Enabled	<input type="checkbox"/>

Port	Router Port	Fast Leave	Throttling
*	<input checked="" type="checkbox"/> 5	<input checked="" type="checkbox"/> 6	<>
1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	unlimited
2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	unlimited
3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	unlimited
4	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	unlimited
5	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	unlimited
6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	unlimited

1. Enable the IGMP Snooping
2. Disable Unregistered IPMCv4 Flooding function
3. Input the Multicast IP address, the Multicast IP address can be accessed by using a packet sniffer (such as WireShark) to find the multicast IP address in the multicast packets.
4. Enable Leave Proxy function
5. Set NetworkHD™ component ports as Router Ports - Deselect for any non-NetworkHD components.
6. Enable Fast Leave function on all ports.

Attention: Please note for any ports that do not have NetworkHD™ components connected, you have to uncheck the Router Port function on that port or else the network will crash. In this scenario please disconnect all NHD-IP-TX units and reconfigure the switch.