

# NetworkHD Single Switch Configuration Guide

Pakedge S3 Series Switches

Supported Products:	NetworkHD 100, 200, 400
Supported NetworkHD Firmware:	v1.0 or higher
Supported Switch Firmware:	v.2.0.0

## Overview

The following information outlines how to configure Pakedge S3 and S3L series network switches for use with WyreStorm NetworkHD 100, 200 & 400 components. The following configuration steps are specific to a single switch network topology.

**Important!** Pakedge S3 and S3L series switches require NetworkHD component IP addresses to be in the same management IP range as the switch(es). This is for IGMP group registering to work properly.

## Before You Begin

Verify that the following items are on hand and that all documentation is reviewed before continuing.

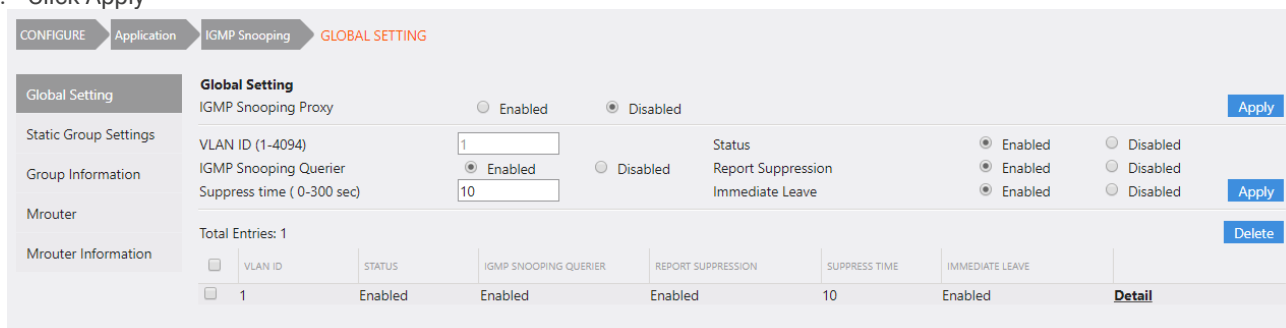
- NetworkHD 100, 200 or 400 series components .....
- Appropriate Pakedge series switch .....
- PC or Mac with an Ethernet Connection .....

## Procedure Steps

It is best practice to restore factory default settings to a network switch prior to continuing with the steps below. Pakedge switches can be reset by pressing and holding the reset button on the front of the unit 10 seconds.

### Core Switch Configuration

- Log into the Web UI of the switch. The default IP addresses of Pakedge S3 series is **192.168.1.205** with a username of **pakedge** and a password of **pakedges**.
- When prompted, adjust the username and password as you see fit and set the privilege level to **15**.
- From the main menu, hover over **Configure** then **Application** and choose **IGMP Snooping**.
- Configuring the following settings:
  - VLAN ID: **1**
  - IGMP Snooping Querier: **Enabled**
  - Status: **Enabled**
  - Report Suppression: **Enabled**
  - Immediate Leave: **Enabled**
  - Click Apply



- Return to the main menu, hover over **Configuration** and then **Application** and choose **IGMP**.
- From IGMP Settings, configure the following:
  - VLAN ID: **1**
  - Version: **V2**
  - Click Apply

CONFIGURE Application IGMP **IGMP SETTINGS**

**IGMP Settings**

VLAN ID (1-4094)

Access Group  Enabled  Disabled

Last Member Query Interval (1000-25000 msec)

Query Interval (1-31744 sec)

Query Max Response Time (1-25 sec)

Robustness Variable (1-7)

Version  V1  V2  V3

Total Entries: 1

INTERFACE	ACCESS GROUP	VERSION	QUERY INTERVAL(SEC)	QUERY MAX RESPONSE TIME	LAST MEMBER QUERY INTERVAL	ROBUSTNESS VARIABLE	
VLAN1		V2	125	10	1000	2	<a href="#">Detail</a>

7. Return to the main menu, hover over **Configure** and then **L2 Switching** and choose **Multicast Filtering**.
8. Ensure **VLAN1** is set to **Forward Unregistered**

CONFIGURE L2 Switching **MULTICAST FILTERING**

**Multicast Filtering**

Filtering Mode  Interface

FILTERING MODE	
Forward All	--
Forward Unregistered	vlan1
Filter Unregistered	--

9. Return to the main menu, hover over **Administration** and then **Management** and choose **Port**.
10. From Port Settings set the **Maximum Receive Frame Size** to **9216** and click **Apply**.

Maximum Receive Frame Size (1536-9216 bytes)

Description

PORT	STATE	SPEED	DUPLEX	FLOW CONTROL	MAXIMUM RECEIVE FRAME SIZE	DESCRIPTION
eth1/1	Enabled	AUTO	AUTO	None	9216	
eth1/2	Enabled	AUTO	AUTO	None	9216	
eth1/3	Enabled	AUTO	AUTO	None	9216	
eth1/4	Enabled	AUTO	AUTO	None	9216	
eth1/5	Enabled	AUTO	AUTO	None	9216	
eth1/6	Enabled	AUTO	AUTO	None	9216	
eth1/7	Enabled	AUTO	AUTO	None	9216	
eth1/8	Enabled	AUTO	AUTO	None	9216	
eth1/9	Enabled	AUTO	AUTO	None	9216	
eth1/10	Enabled	AUTO	AUTO	None	9216	
eth1/11	Enabled	AUTO	AUTO	None	9216	

11. Return to the main menu, hover over **Maintenance** and choose **Save**

MAINTENANCE **SAVE**

**Save**

Press the button to save the system settings to NV-RAM.

## Contacting Support

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Email: [Support@WyreStorm.com](mailto:Support@WyreStorm.com)

On Line Chat (Accessible through website): <http://WyreStorm.com/Contact-Tech-Support>

## Revision History

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v1.0 – July 2018

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All Sections

Initial Release of Document

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