



## SX-8-EP

PoE-Powered Managed Gigabit Switch  
with 8 Rear-Facing Ports



QUICK START GUIDE



# Contents

Switch overview	4
Preparing to install the switch	5
Installation	5
Installing a rack bracket	6
Installing a wall mount	7
Logging in to the switch	8
Changing the IP address of the switch	9
Setting up Pagedge Zone & VLAN	10
Manually configuring VLANs	11
Console into the switch	13
Resetting IP address through the console	14
Factory defaulting through the console	14
Technical Support	16

# Switch overview

The SX Series switches are fully managed gigabit switches, designed to address a wide range of networking needs. The SX Series switches are encased in high-end AV housings to appeal to customers' demand for aesthetics.

**The following chart defines the features of the SX-8-EP:**

Port speeds	10/100/1000 Mbps	SFP	Yes
Console port	Yes	SFP ports (dedicated)	1
Web GUI	Yes	Shared SFP	No
Ethernet ports	8	PD port	Port 1

# Preparing to install the switch

The SX-8-EP allows for multiple installation options. It is possible to mount it in an AV rack, mount to a wall, or place on a desktop. When powering the SX-8-EP by PoE, installing is even easier since proximity to an AC outlet is no longer a deciding factor to placement.

## Tools required:

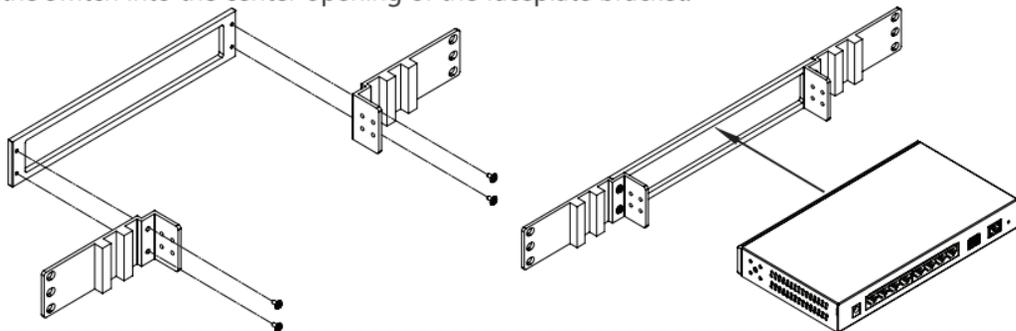
- Phillips screwdriver (if using rack-mount brackets)
- Computer with Ethernet interface and a modern web browser
- Optional: An integrated DB-9 port or USB-to-DB9 adapter may be necessary in order to use the console interface.
- Ethernet cable

## Installation

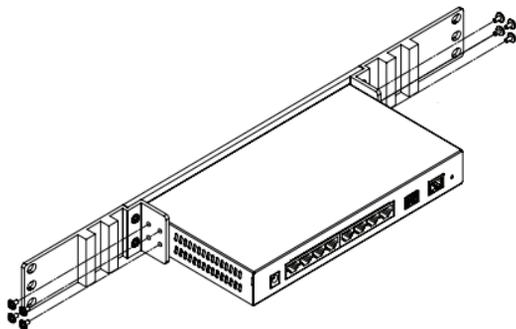
- 1 Remove the switch from the box.
- 2 *Optional:* If mounting the switch in a standard 19" AV rack, follow the instructions labeled "Installing a rack bracket" on page 6. If wall-mounting the switch, follow the instructions for "Installing a wall mount" on page 7. You may also use the included rubber feet to place the switch on any desktop.
- 3 Connect power to the device.
- 4 Connect an Ethernet cable from your computer to any LAN port on the switch. You are now ready to configure the switch with an IP address in your network range.

## Installing a rack bracket

- 1 Secure the rack brackets to the faceplate bracket.
- 2 Slide the switch into the center opening of the faceplate bracket.

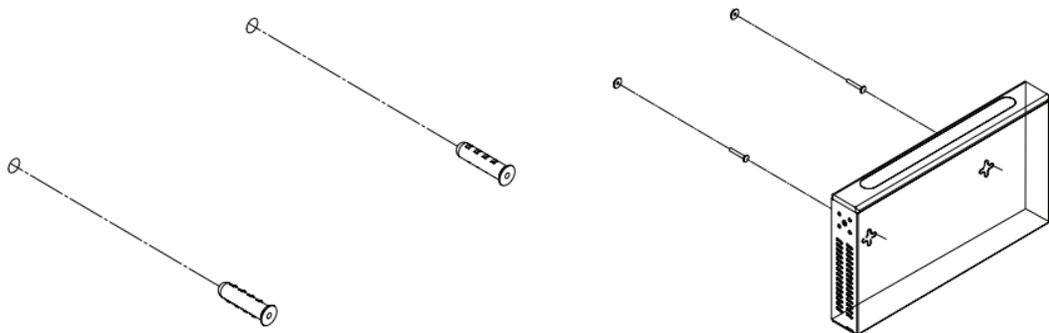


- 3 Secure the rack bracket/faceplate bracket assembly to the switch.



## Installing a wall mount

- 1** Place the included template (first and last page of this Quick Start Guide) at the desired mounting location. Mark location of mounting points as noted on template. The distance between the centerlines of the two mounting points should be  $5\frac{1}{2}$  inches (140 mm).
- 2** Install the included drywall anchors at the marked locations. Screw the drywall screws into the drywall anchors, leaving at least a  $\frac{9}{64}$  inch (3.5 mm) gap between the top of the drywall screw head and wall.
- 3** Line the keyholes on the bottom of the switch with drywall screws, and mount the switch onto the drywall screws.



# Logging in to the switch

- 1 Connect the SX switch to a power source. The PWR LED lights up and the fans start.
- 2 Connect a computer to any LAN port on the switch.
- 3 Configure the PC with a static IP address of **192.168.1.10** and subnet mask of **255.255.255.0** (*Default Gateway* and *DNS* can be left blank), and then open any browser.
- 4 In the browser, enter the switch's default IP address of **192.168.1.205** into the address bar and press **Enter**.
- 5 Enter the Username and Password. The default username is "**pakedge**" and the password is "**pakedges**".

After you have logged in to the switch, you can access the GUI and make any changes you want to. The following is an example of the switch dashboard.



# Changing the IP address of the switch

## To configure the IP Address settings on the switch:

- 1 From the Dashboard, click **System > System Settings > Basic Settings**.
- 2 Enter the switch IP address in the box next to **IP Address**. By default, the switch IP address is **192.168.1.205**. You will also need to enter the **Subnet Mask** and **Gateway** settings for your network. By default, on a Pakedge network the subnet mask is **255.255.255.0** and the Gateway is **192.168.1.99**.
- 3 Click **Apply** at the bottom of the page. The switch will be updated with the new IP settings. If the IP address you have changed the switch to is in the same IP subnet range, you will be redirected automatically. Otherwise, you will need to update your computer's IP settings to match the new IP address of the switch in order to access it again.

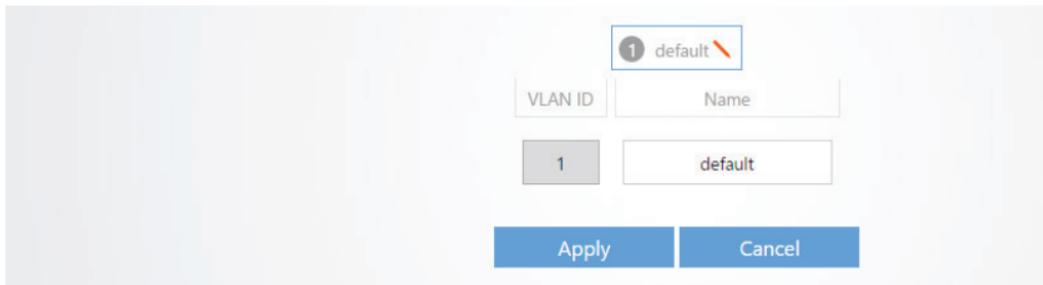
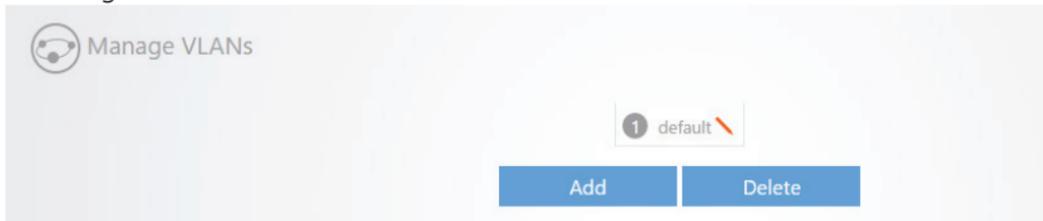
# Setting up Pakedge Zone & VLAN

New to the SX Series switches are the Pakedge Zones. Pakedge Zones provide a simple way to configure the switch to match the specialized VLAN settings of a Pakedge network.

This new VLAN configuration page allows for very quick implementation of VLAN settings across all ports of the switch.

## Manually configuring VLANs

- 1 To manually add and configure VLAN settings, go to **VLAN > Configuration > Advanced**.
- 2 Under the *Manage VLANs* section, click **Add** to input a new VLAN ID number and name, then click **Apply** to save that VLAN to the switch. VLAN IDs 1-6 are color coded to match the Pakedge Zones these are used for.



- 3 To configure ports as different VLANs, use the "**Port Assignments**" section.

- To set ports with the ability to only access a single VLAN, click the VLAN you want to use under *Access*, then click on the ports above you wish to set with that VLAN. After you have the ports you want selected, click **Apply** at the bottom of the page to save those settings.

Port Assignments

Access	
VLAN	Assigned Ports
1	1-6
2	7-9

Hybrid

VLAN (U) (T) Assigned Port +

Trunk

VLAN (T) Assigned Port +

(U) Untagged (T) Tagged

Apply Cancel Delete

- To set ports in *Hybrid* mode (one default VLAN and multiple tagged VLANs), click the "+" symbol under *Hybrid*. You will then be in the Hybrid profile configuration mode.
- Select the untagged default VLAN to be used on the port (normally VLAN1).
- Select one or more other VLANs to be used for tagged VLAN traffic.
- Select the box under *Assigned Port*, then click on one of the ports above to set this profile on a switch port.
- Click **Apply** at the bottom of the page to save the settings.

# Console into the switch

The SX Series switches have a console port to serve as a back-door entrance to the switch. This can be beneficial in case the switch is not functioning properly or if the incorrect IP address was configured.

## To console into the switch:

- 1 Connect the console cable to the console port on the back of the switch, then connect the other end to your computer. If your computer doesn't have a serial port, use a USB-to-serial adapter.

On your computer, open PuTTY or Terra Term, enter the COM port that your computer is using, then set the following:

**Baud Rate: 115200**

**Character Size: 8**

**Parity Code: None**

**Stop Bits: 1**

**Flow Control: None**

The following is an example if you are using PuTTY:

- a. Click **Session** on the left side, select **Serial** for the connection type, then click **Open** to initiate the console session.
- b. After the connection is established, enter the switch username and password (default is **packedge/pakedges**). You now have console access into the switch.

## Resetting IP address through the console

You can reset the switch's IP address through the console. This can be helpful in case of misconfiguration. You will first need to console into the switch as previously described, then:

- 1 Type "**show ip**" and press **Enter** to see the current IP address.
- 2 Type "**configure**" and press **Enter**.
- 3 Type "**interface vlan 1**" and press **Enter** to edit the VLAN1 interface.
- 4 Type "**ip address 192.168.1.205 mask 255.255.255.0**" and press **Enter**.
- 5 Type "**ip default-gateway 192.168.1.99**" and press **Enter** (optional).

The switch should now be accessible on its default IP address.

## Factory defaulting through the console

You can factory default the switch through console in case it is not functioning properly. You will first need to console into the switch as previously described, then:

- 1 Type "**delete startup-config**" and press **Enter**.
- 2 Type "**y**" and press **Enter**.
- 3 Type "**y**" again to allow the switch to reboot.

The switch will now reboot and come back up at default settings.



# Technical Support

For technical help:  
[www.pakedge.com/portal](http://www.pakedge.com/portal)  
[support@pakedge.com](mailto:support@pakedge.com)  
(650) 385-8703

For non-technical inquires:  
[customerservice@pakedge.com](mailto:customerservice@pakedge.com)  
(650) 385-8701

For regulatory information:  
[www.pakedge.com/regulatory](http://www.pakedge.com/regulatory)



3847 Breakwater Avenue, Hayward, CA 94545-3606  
Main: (650) 385-8700 Fax: (650) 685-5520

[www.pakedge.com](http://www.pakedge.com)  
[sales@pakedge.com](mailto:sales@pakedge.com)

©2016 Pakedge Device & Software Inc. All rights reserved.



DOC-00225-C 2016-08-23 MS