pakedge®

SX-8P
Managed Gigabit Switch
with 8 Rear-Facing PoE+/PoE Ports

QUICK START GUIDE

Contents

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-8P:

Port speeds	10/100/1000 Mbps	SFP	Yes
Console port	Yes	SFP ports (dedicated)	1
Web GUI	Yes	Shared SFP	No
Ethernet ports	8	PoE+ capable ports	8
PoE budget	125W		

Preparing to install the switch

The SX-8P allows for multiple installation options. It is possible to AV rack mount, mount to a wall, and place on a desktop. The included power supply bracket makes mounting with the included power supply easy to manage in any situation.

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 "Installing a rack mount" on page 6. If wall mounting the switch, follow the instructions "Installing a wall mount" on page 10. You may also use the included rubber feet to place the switch on any desktop.

3 Connect power to the device, then 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 mount

1 Secure the rack brackets to the faceplate bracket.

2 Slide the switch into the center opening of faceplate bracket.
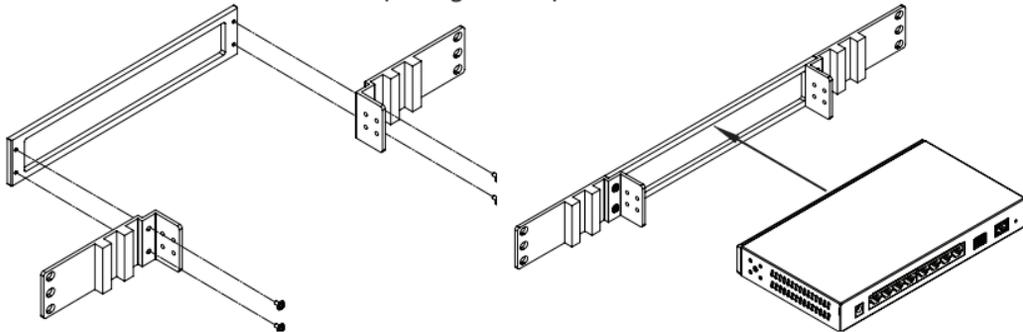
3 Secure the rack bracket or faceplate bracket assembly to the switch.
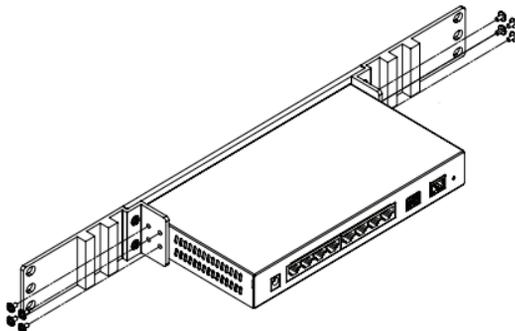
Installing a rack mount with optional power adapter bracket

Follow the *SX-8P Rack Bracket Installation Guide* to install the rack bracket and the faceplate bracket to the switch.

1 Align three holes on the power adapter bracket with three threaded holes on the bottom of the switch as shown. Secure the power adapter bracket to the bottom of the switch.

2 Insert the Velcro strips into the anchor points on the power adapter bracket as shown. Ensure that the smooth side of the Velcro strip is facing the back of switch.

3 Loop the Velcro strips around the anchor points, and thread the Velcro strip through the opening on the Velcro strip.
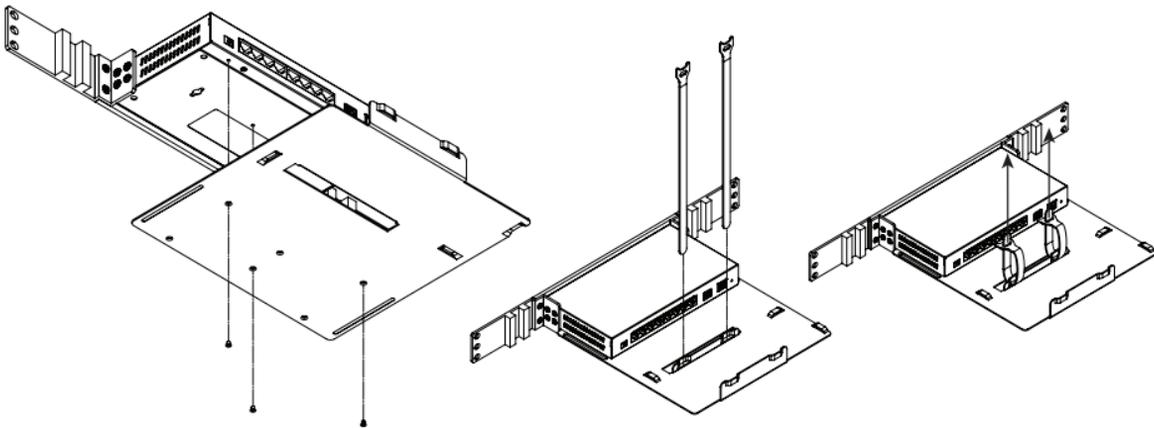
4 Pull the Velcro strips through the opening on the Velcro strip until the Velcro strips are secured to the anchor point.

5 Connect the appropriate Ethernet cables to the switch. Route the cables as shown and secure them to the power adapter bracket with the supplied cable ties, if desired.

6 Connect the power adapter to the switch and place the power adapter on the power adapter bracket, as shown. Secure the power adapter cable to the power adapter bracket with the supplied cable ties, if desired.
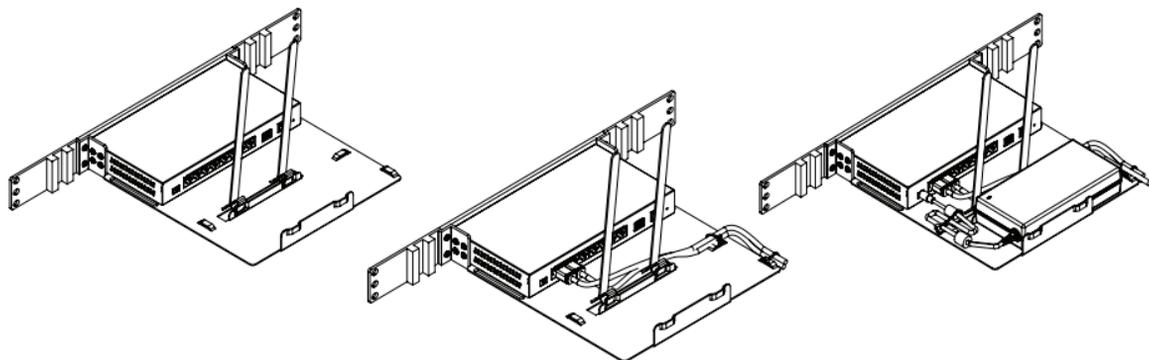
7 Insert the Velcro strips into the anchor points on the power adapter bracket, as shown.

8 Loop the Velcro strips back up and around the anchor points and secure the Velcro strip to itself. Make sure that the power adapter is secured to the power adapter bracket.
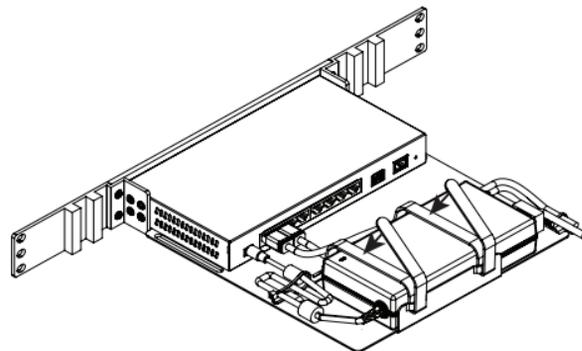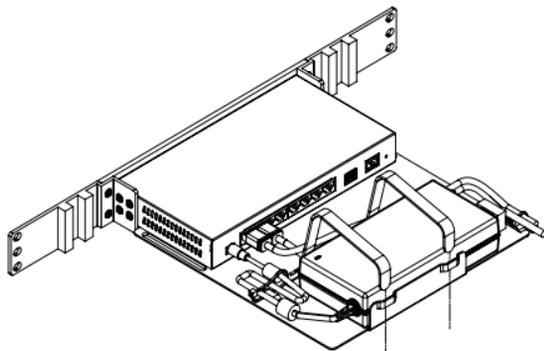
Installing a wall mount

1. Place the supplied template (first and last page of this *Quick Start Guide*) at the desired mounting location. Mark the location of the mounting points as noted on template. The distance between the centerlines of the two mounting points should be 5½ inches (140 mm).

2. Install the supplied drywall anchors at marked locations. Screw drywall screws into the drywall anchors leaving at least a 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 the drywall screws, and hook the switch onto the drywall screws.
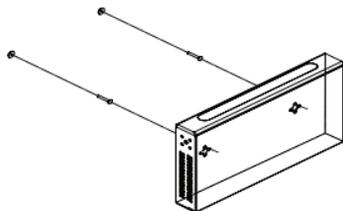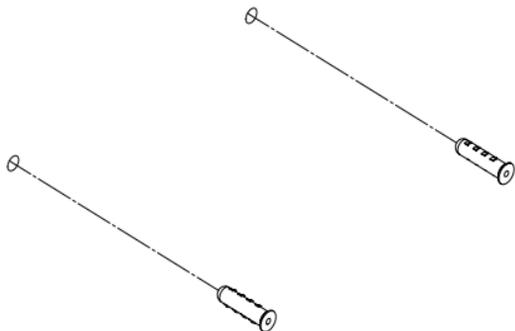
Installing a wall mount with optional power adapter bracket

1 Insert the Velcro strips into the anchor points on the power adapter bracket, as shown.
   Make sure that the smooth side of the Velcro strip is facing the switch side of the power
   adapter bracket.

2 Loop the Velcro strips around the anchor points, and thread the Velcro strip through the
   opening on the Velcro strip.

3 Pull the Velcro strips through the opening on the Velcro strip until the Velcro strips are
   secured to the anchor point.

HOOK/LOOP SIDE
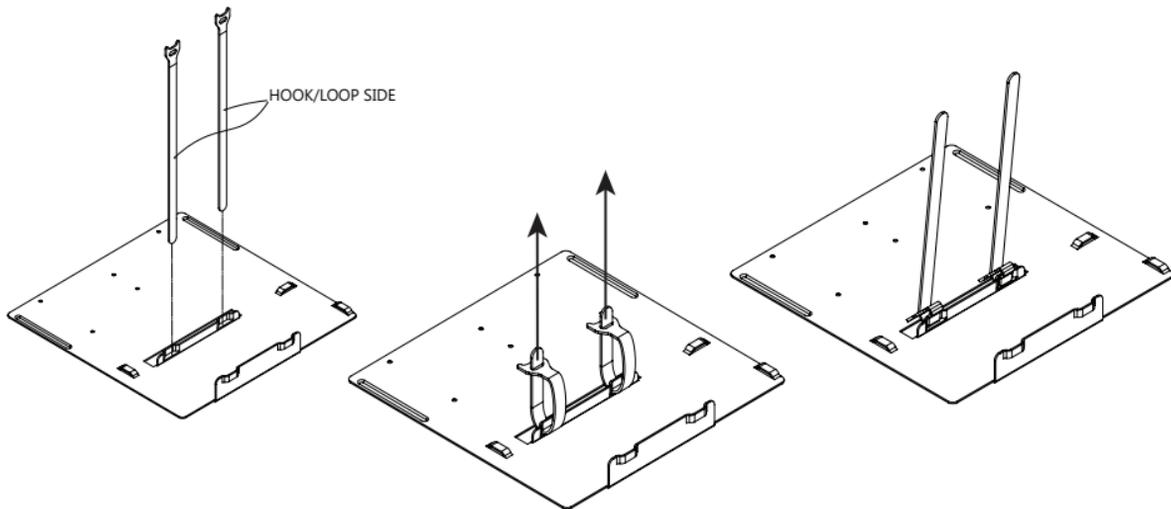
4 Place the power adapter bracket at the desired mounting location. Using the slots on the left and right of the power adapter bracket, mark holes for drywall anchors.

5 Install drywall anchors at the marks from Step 4.

6 Align three holes on the power adapter bracket with three threaded holes on the bottom of the switch as shown. Secure the power adapter bracket to the bottom of the switch.

Note: There are two mounting options. Align the appropriate holes on the power adapter bracket to the threaded holes on the switch based on the desired switch mounting option.

7 Using the supplied drywall screws, secure the power adapter bracket/switch assembly to the drywall anchors from Step 5.

OPTION 1   OPTION 2
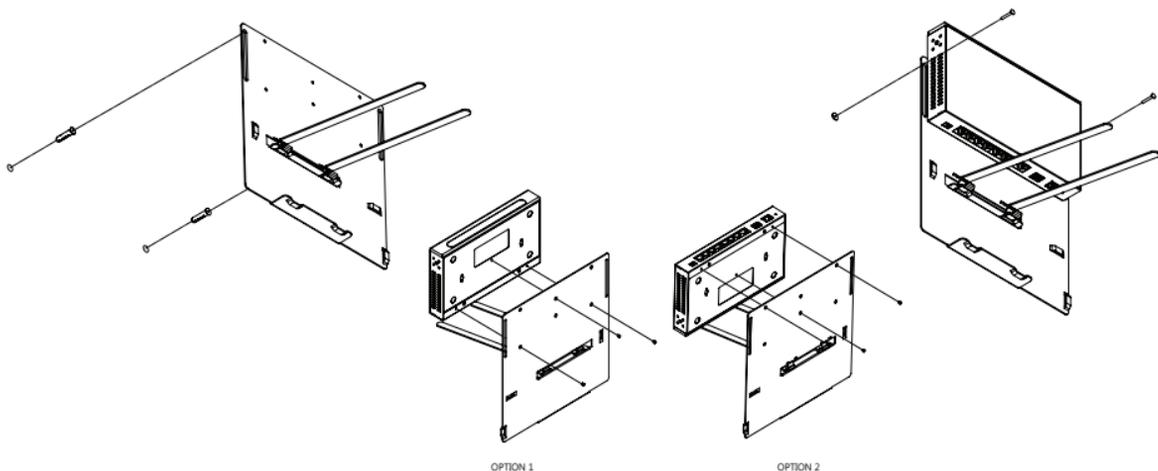
8 Plug in the appropriate Ethernet cables to the switch. Route cables as shown and secure them to the power adapter bracket with the supplied cable ties, if desired.

9 Plug in the power adapter to the switch and place the power adapter on the power adapter bracket, as shown. Secure the power adapter cable to the power adapter bracket with the supplied cable ties, if desired.

10 Insert the Velcro strips into the anchor points on the power adapter bracket, as shown.

11 Loop the Velcro strips back up and around the anchor points and secure the Velcro strip to itself. Make sure that the power adapter is secured to the power adapter bracket.
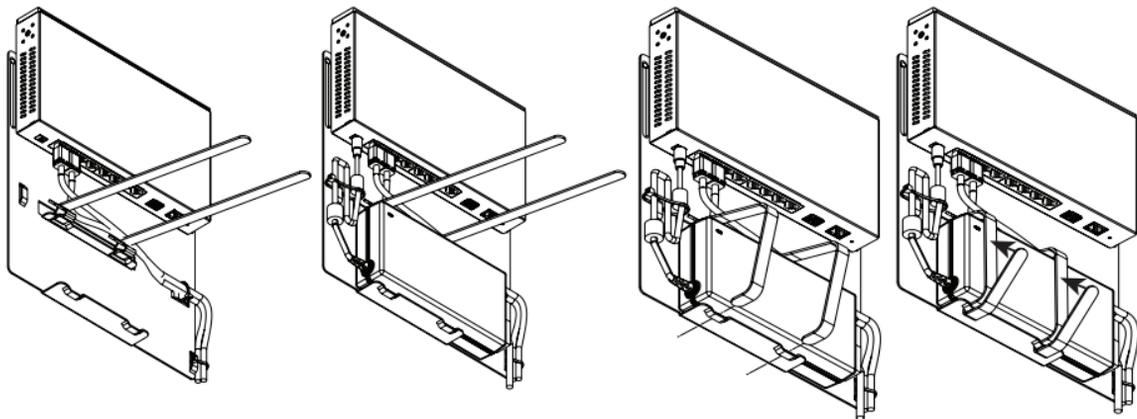
Logging in to the switch

1 Connect the SX switch to a power source. The PWR LED will light up.

2 Connect a PC or laptop 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**. A web page will appear asking you for a *Username* and *Password*.

5 Enter your username and password. (The default username is **pakedge** and the password is **pakedges**.)

After you have logged into the switch, you will have access to the GUI and will be able to make any changes you want. 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.

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.

Manage VLANs

1 default ✎

| Add | Delete |

1 default ✎

VLAN ID	Name
1	default

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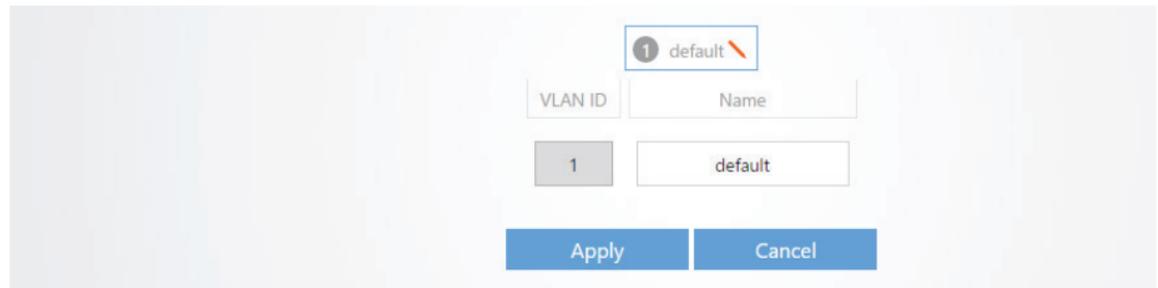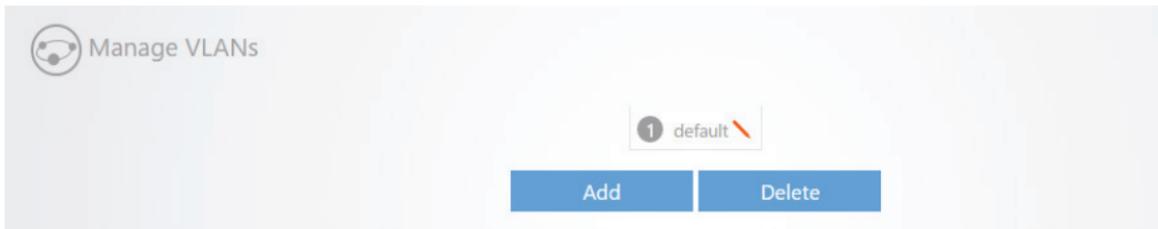
3 To configure ports as different VLANs, use the "**Port Assignments**" section.

4 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.

5 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.

6 Select the untagged default VLAN to be used on the port (normally VLAN1).

7 Select one or more other VLANs to be used for tagged VLAN traffic.

8 Select the box under *Assigned Port*, then click on one of the ports above to set this profile on a switch port.

9 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.

1 Connect the console cable to the console port on the back of the switch and then connect the other end to your computer. You may use a USB to serial adapter in case your computer doesn't have a serial port. You will also need to have either PuTTY or Terra Term to connect to the switch's command line console.

2 Open PuTTY or Terra Term and enter the COM port that your computer is using and then set the following settings:

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 Go to *Session* on the left side, select **Serial** for the connection type, then click **Open** to actually initiate the console session.

b After the connection is established, you can enter the switch username and password (default **pakedge**/**pakedges**). You now have console access into the switch.

Resetting the IP address through the console

You can reset the switch's IP address through the console. This can be helpful in case of missconfiguration. 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

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