READ ME FIRST

QUICK INSTALL GUIDE

18-Port/16 PoE+/2 Gig Uplink Smart Switch

XFS-1816P

Includes:

- XFS-1816P 18-Port/16 PoE+/2 Gig Uplink Smart Switch
- Rack Mount Kit
- Rubber Feet
- Power Cord

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SETUP AND CONFIGURATION

1 Physical Installation

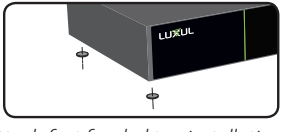
The XFS-1816P can be rack-mounted or used as a desktop switch. Install the XFS-1816P in a stable/safe place to avoid any possible damage. Avoid placement in direct sunlight. Do not place heavy articles on the XFS-1816P and verify the ground connection of the outlet is functioning properly.

Desktop/Shelf Installation

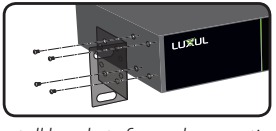
For desktop/shelf installation, attach the four rubber feet to the corner indentations on the bottom of the XFS-1816P, then place the switch horizontally on a solid, level platform.

Rack Installation

Use the included L-brackets for convenient installation in a 19-inch server or audio rack. As shown below, use four screws to attach the rack ears on both sides of the XFS-1816P, and insert the switch horizontally into the rack. Use your desired hardware to affix the switch supports to the rack.



Attach feet for desktop installation



Install brackets for rack-mounting

2 Connecting Ethernet and Power

Ethernet and Power Connections

Use any RJ-45 to connect the XFS-1816P to an Ethernet-enabled device, including servers, routers or other switches. No crossover cable is necessary.

The XFS-1816P supports 10/100/1000 Mbps Ethernet; 10/100 Mbps half/full-duplex mode and 1000 Mbps full-duplex mode. All eighteen RJ-45 ports support Auto MDI/MDIX and can be used as ordinary ports or as Uplink ports. Ports 1-16 are PoE+ and are enabled by default.

Use the included power cable to connect the XFS-1816P to a surge protected outlet. The AC input socket and a power switch are on the rear panel. The built-in power supply supports 100~240VAC at 50/60Hz.

Network Cabling

Luxul recommends Category-5, super Category-5 or Category-6 unshielded twisted pair (CAT5/CAT5e/CAT6 UTP). To ensure best performance and stable data transmission at 1000 Mbps, use Category-6 shielded twisted pair.

⚠ **CAUTION:** *Multiple Uplink channels can create loops, resulting in network failure. Ensure only one Uplink channel exists between switches or between the XFS-1816P and a router.*

✅ **NOTE:** *When powering up, the port LEDs corresponding to the optical interface may take a moment to initialize. This is normal as the XFS-1816P initialization and startup completes.*

✅ **NOTE:** *For optimal switch performance, do not exceed 230W combined consumption of all external PoE devices.*

3 Preparing for Access

IP Addressing

If the XFS-1816P is connected to a network with a 192.168.0.X address scheme, and your computer shares a similar address on the same network, you can skip to the next step, **Access and Setup**.

> ☑ **Note:** *If another device on your network shares the 192.168.0.4 address, you'll need to temporarily reassign or remove that device while you configure the XFS-1816P.*

If your network uses an address scheme other than 192.168.0.X, you'll need to set a temporary static IP address on the computer you're using for configuration. To do so, set the IP address of your computer to an address in the 192.168.0.X range, then set the Gateway/Router address to 192.168.0.4 (the default IP address of the XFS-1816P).

Once you're finished configuring the switch, you can return your computer's IP configuration to normal, typically "Obtain Automatically/DHCP."

> ☑ **Note:** *Visit http://luxul.com/ip-addressing to learn more about changing your computer's IP address and getting connected.*

4 Access and Setup

Getting Connected

Use an Ethernet cable to connect your computer to the XFS-1816P, then power on the switch.

Logging In

To access the XFS-1816P web configuration, open your web browser and enter the switch's default 192.168.0.4 IP address in the address field. Log in to the switch using the default user name and password:

Default IP: 192.168.0.4

Username: admin

Password: admin

Select the menu items on the left to view and/or modify the configuration.

5 Hardware Operation

The front panel of the XFS-1816P switch includes sixteen 10/100/1000 Mbps RJ-45 PoE+ ports, two Gigabit uplink ports, and one SFP port (shared with Uplink port 1 and color-coded as such). The front panel also features a set of LED status indicators.

XFS-1816P Front Panel

Status Indicators

Each of the 16 PoE+ ports has a corresponding LED for Link/Act and PoE. There are also two uplink LEDs, one Power LED, one System LED, a PoE Max LED and a reset button to reboot the device or restore factory default settings. The following table describes the LED functionality:

Indicator	State	Description
POWER	On	The XFS-1816P is switched on.
	Off	XFS-1816P is switched off or not connected to AC power. Check power connections and power switch at the back of the unit.
SYSTEM	On	The XFS-1816P is booting.
	Flashing	The XFS-1816P is running normally.
	Off	The XFS-1816P is in startup and initialization process or is not on.
PoE Max	On	Connected PoE devices are exceeding the rated PoE power output of the switch.
	Off	PoE power functioning within limits.
Link/Act	On	There is a device connected to the port.
	Flashing	Port is receiving or transmitting data.
	Off	No device is connected to the port.
PoE	On	A PoE-enabled device is connected and the switch is supplying power to the device.
	Off	No PoE-enabled device is connected or PoE is not enabled on this port

At startup, port LEDs will flash as a self test.

Reset Button

The Reset button (located at the lower-right corner of the front panel) is used to reset (or reboot) the switch, or to restore the switch factory default settings.

- **To Reset the Switch:** With the XFS-1816P powered on, press the Reset button.

> ⚠ **CAUTION:** *Do not hold the button for more than a second. Doing so could erase all settings and restore factory defaults.*

- **To Restore the Default Settings:** With the XFS-1816P powered on, press and hold the Reset button until the status of the System LED shows the following: On – flashing – off. Once you see the flash sequence, release the Reset button and the switch automatically restores factory default settings. Once the System LED starts flashing again, the XFS-1816P is set to factory defaults.

> ⚠ **CAUTION:** *Please note that restoring Default Settings will remove any/all custom configuration.*

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