



LOREX AEX16 Series PoE Switch User Guide

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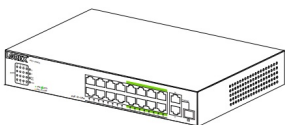


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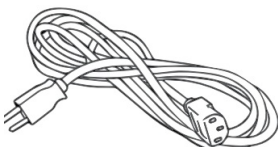
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What's Included

- PoE Switch



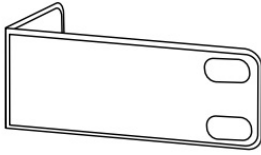
- Power Cord



- Rubber Feet (4×)



- Rack Mount Brackets (2×)



- Screws (8×)



- SFP Dust Cap



Tools Needed

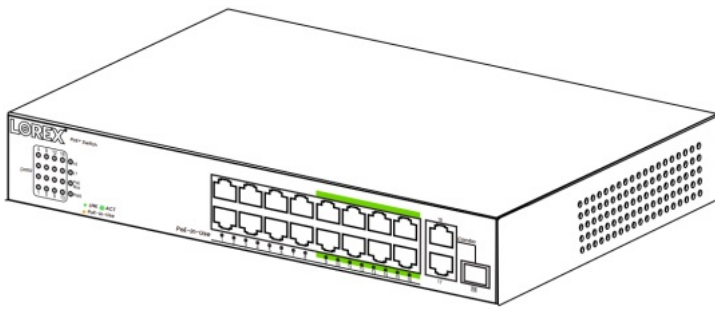
- Drill
- Screwdriver

Safety Precautions

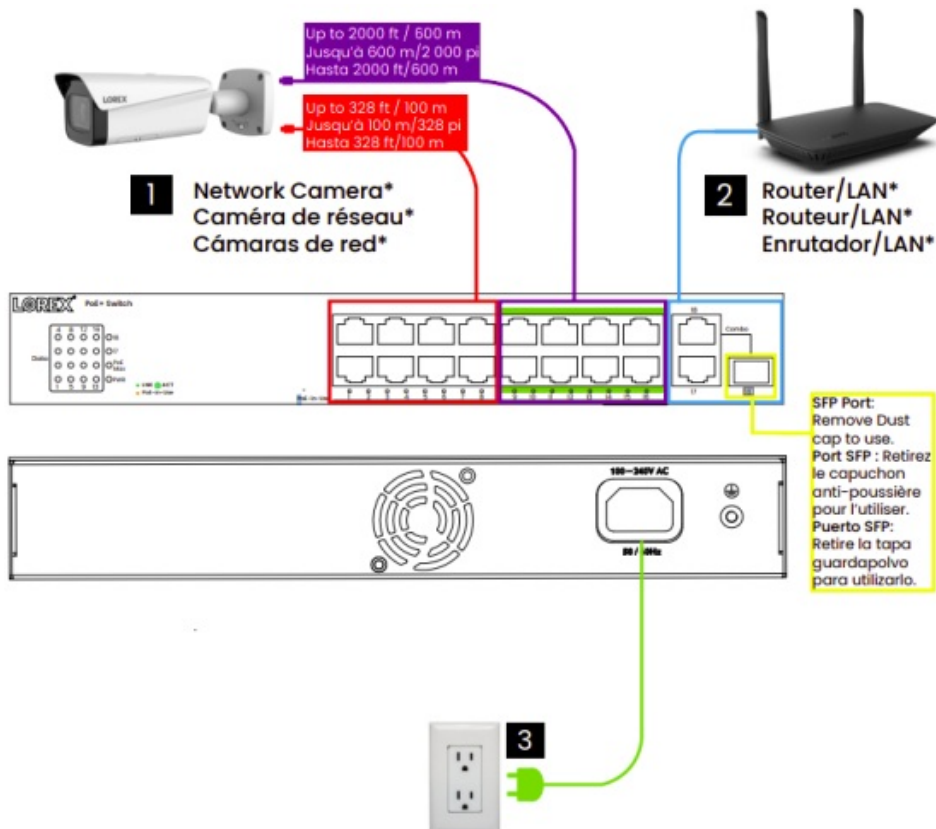
- Follow all instructions for safe use and best performance.
- Use the switch within given temperature, humidity and voltage levels noted in the switch specifications.
- Do not disassemble the switch.
- You may need to clean periodically using a cloth. If you need to clean the switch, disconnect it from its power source first. Do not clean the switch with any liquid, harsh, chemical-based cleaners, or damp materials.
- Keep the switch away from water and out of damp areas.
- Not intended for submersion in water. Installation in a sheltered location recommended.
- Do not place the switch on unstable surfaces or underneath heavy objects, and avoid dropping the switch.
- Allow for adequate space for ventilation between the device and objects around it.
- Ensure that the operating voltage is the same as labeled in the switch.

Product Description

This 16-port PoE switch contains 8 ports supporting long-range PoE transmission up to 600 m when using a single Ethernet cable connecting with a network IP camera (sold separately). Each port supports MDI/MDIX auto-flip and wire speed forwarding function. Its PoE ports automatically detect and supply power up to 30 W with IEEE 802.3af/at compliant Powered Devices (PDs). The total PoE budget of this switch can support up to 250 W. The electrical power is transmitted along with data in one single cable allowing you to expand your network where there are no powerlines or outlets, and use AP and IP cameras or IP phones.



Setup Installation Configuration

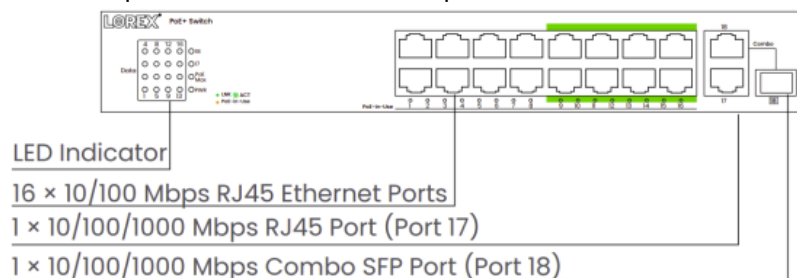







*Sold Separately

Overview

Front Panel

The front panel consists of Ethernet ports and LED indicators.



PWR	Off	The switch has no power supply.
		The switch has power.
LNK/ACT	Off	The network is not connected.
		A device is successfully connected.
		The switch is actively sending or receiving data over that port.
PoE-in Use	Off	No PoE powered device (PD) connected.
		PoE PD connected to the port is supplying power.
PoE Max	Off	PoE power is less than 80% of total power.
		PoE power is more than 80% of total power.

10/100/1000 Mbps RJ45 Ports

These RJ45 ports support 10 Mbps, 100 Mbps, 1000 Mbps rate adaptive functions, and (Auto-MDI/MDIX) functions depending on the port. Ports 1-16 support a 10/100 Mbps transmission rate, and the 18 ports support a 10/100/1000 Mbps transmission rate. Each port has a corresponding indicator.

Combo Port

The combo port is located on the right side of the panel, and is an optical multiplex port, which refers to two Ethernet interfaces (usually one optical and one electrical) on the device panel. Users can choose one of them to use according to the actual networking situation, but they cannot work at the same time. Two ports share one indicator. There is only one forwarding interface inside the device. Combo port 18 is a SFP port. RJ45 or SFP connections can be used here, but not simultaneously.

Note: Ports 9-16, are long range PoE ports that can connect to a Lorex ePoE camera (e.g., Nocturnal Series – N4) using a single Ethernet cable up to 2000 feet / 600 meters without a PoE repeater needed in-between. This can save costs and simplify whole network deployment architectures.

Back Panel

The switch's back panel features an AC power port that accepts a voltage input range of 100-240V (50/60Hz) AC, along with surge protection grounding column and a fan port.



Connect the female power connector to the power socket, and the male connector to the AC power outlet.

The switch includes a lightning protection mechanism. The switch can also be grounded using the PE (Protecting Earth) cable of an AC cord, or with a ground cable.

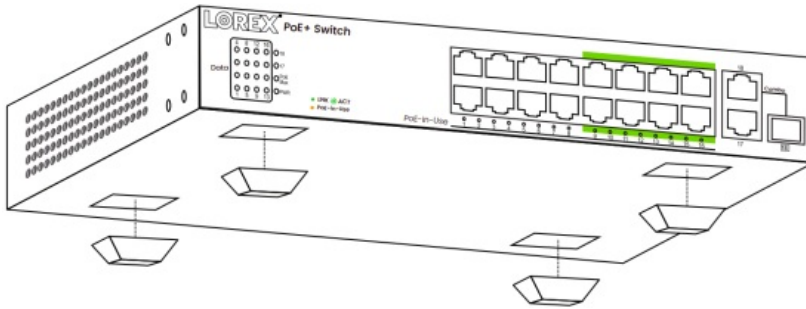
Installation



Install in an area that can support the total weight of the camera and accessories.

Desktop installation:

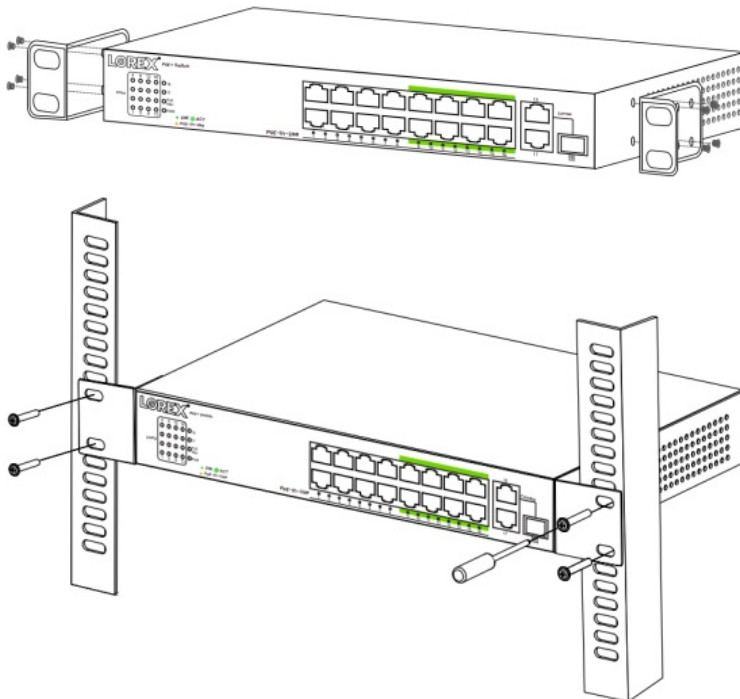
Attach the provided rubber feet at each bottom corner of the switch.



Rack mount installation:

Your switch can be installed on an EIA-19" (48.26 cm) equipment rack.

1. Install the mounting brackets on each of the switch's side panels using the provided screws.
2. Use the provided screws to mount the switch to the rack.



Powering On The Switch

Please connect the AC power cord to the back of the switch and to an electrical outlet (preferably grounded). When powered on, the LED indicators flash for one second, representing system start-up. The power LED indicator will then turn green.

Compatibility



lorex.com/compatibility

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AEX16_QSG_EN-FR-ES_R2



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Documents / Resources

	<p>LOREX AEX16 Series PoE Switch [pdf] User Guide AEX16, PLoNEK-in-UAsCeT, AEX16 Series PoE Switch, AEX16 Series Switch, AEX16 Series, PoE Switch, Switch</p>
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References

-  [Product Compatibility Chart - Expand Your System | Lorex](#)
-  [Commercial & Business Security Cameras and CCTV Systems | Lorex Pro](#)
- [User Manual](#)

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