

# EX19162A PoE Switch Installation Guide



## 1 Unpacking

Unpack the items. Your package should include:

- One EX19162A Ethernet PoE switch
- One AC power cord
- Rack-mounting hardware kit

If items are missing or damaged, notify your EtherWAN representative. Keep the carton and packing material.

## 2 What Else You Need

- Category 5e or better Ethernet cables
- Small form-factor pluggable (SFP) optical transceiver modules for optional fiber connectivity

## 3 Select a Location

- Desktop installations: Mount on a flat table or shelf surface.
- Rack installations: Use a 19-inch EIA standard equipment rack that is grounded and physically secure.
- Identify a power source within 6 feet (1.8 meters).
- Choose a dry area with ambient temperature between 0 and 40°C (32 and 104°F).
- Do not cover fans on the rear and side.
- Keep away from heat sources, sunlight, warm air exhausts, hot-air vents, and heaters.
- Be sure there is adequate airflow.

- Keep the switch at least 6 ft (1.83 m) away from the nearest source of electromagnetic noise, such as a photocopy machine.

## 4 Connect to the Data Ports

### Sixteen Gigabit RJ45 PoE+ Ports

The switch is equipped with 16 10/100/1000 Mbps RJ45 ports that provide IEEE802.3at Power over Ethernet (PoE+), with up to 30W per port (250W total PoE power budget). These ports can be connected to PoE devices such as IP surveillance cameras or Voice Over Internet Protocol (VoIP) phones.

- Insert one end of a Category 5e or better Ethernet cable into a PoE port (ports 1 to 16) on the switch.
- Connect the other end into the Ethernet port of the device.
- Repeat steps A and B for each additional device you want to connect to the switch.

### Four Gigabit Data Uplink Ports

Ports 17 to 20 can be used as data uplink ports, with ports 17 and 18 being RJ45 and ports 19 and 20 being SFP.

The SFP ports accommodate standard SFP modules; wear an ESD-preventive wrist strap before connecting SFP modules.

## 5 Apply AC Power

- Connect the female end of the supplied AC power adapter cable to the power receptacle on the switch rear panel. Connect the other end to a grounded 3-pronged AC outlet.
- On the switch rear panel, move the ON/OFF switch to the ON position.

When you apply AC power:

- The fans start.
- The **Power** LED goes ON.
- The **Link/ACT** LEDs turn on for every port connected to a networked device.
- The **PoE** LEDs also turn on for every port connected to a PoE powered device.

## 6 Front Panel LEDs

LED	Color	Status
Power	Amber	ON = switch is receiving power.
		OFF = switch is powered off.
PoE (port number)	Orange	ON = A Powered Device (PD) is connected to the port.
		OFF = No PD is connected to the port.
Link/ACT (port number)	Green	ON = valid network connection.
		OFF = no data transmission on port.
		Flashing = port is sending or receiving data.

**NOTES:**