

Gigabit Unmanaged PoE Switch with Extend Mode

Quick Start Guide

Applicable Models

This manual is applicable to LTS Platinum Gigabit unmanaged PoE switches.

Symbol Conventions

The symbols that may be found in this document are defined as follows.

Symbol	Description
	Provides additional information to emphasize or supplement important points of the main text.
	Indicates a potentially hazardous situation, which if not avoided, could result in equipment damage, data loss, performance degradation, or unexpected results.
	Indicates a hazard with a high level of risk, which if not avoided, will result in death or serious injury.

NOTE

- During the installation and utilization of the device, please strictly conform to electrical safety rules in different nations and regions.
- Use the attached power adaptor only and not to change the adaptor randomly. Please refer to specification table for specific requirements of power adaptor.
- Never attempt to disassemble the device yourself. (We shall not assume any responsibility for problems caused by unauthorized repair or maintenance.)

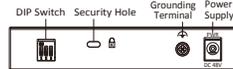
WARNING

- The device must be installed in machine room only, and only maintenance staff or qualified person should access to the device.
- Do not touch the upper cover area of the device that may be overheated.
- Power must be shut down during cable connection, device installation and dismantlement.
- You shall acknowledge that the use of the device with Internet access might be under network security risks, please strengthen protection for your personal information and data security. If you find the device might be under network security risks, please contact with us.
- Proper configuration of all passwords and other security settings is the responsibility of the installer, and you shall keep user name and passwords properly.
- Please keep all original packing materials properly. If the product does not work properly, pack the switch in its original packing materials for shipping. We shall not assume any responsibility for damages caused by improper packing materials during shipping.
- Ensure that your devices powered via the PoE port have their shells protected and fire-proofed, because the switches are not compliant with the Limited Power Source (LPS) standard.
- This is a class A product and may cause radio interference in which case the user may be required to take adequate measures.

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Rear Panel

4 ports:



8 ports:



16/24 ports:



Grounding Terminal

The grounding terminal is used to connect to the ground cable to protect the switch from lightning.

Power Supply

Use the attached power cord to connect the switch to socket.

Security Hole

Use the steel cable lock (optional) to lock the switch.

NOTE

All figures in this guide are used for illustration purpose only. The actual product may differ.

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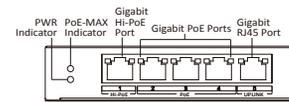
Packing List

Item	Model	4-port and 8-port	16-port and 24-port
Switch		× 1	× 1
Power adaptor		× 1	—
Power cord		× 1	× 1
L-shaped bracket		—	× 1
Screw		—	× 4
Quick Start Guide		× 1	× 1

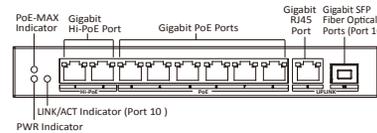
Interfaces

Front Panel

4 Ports:



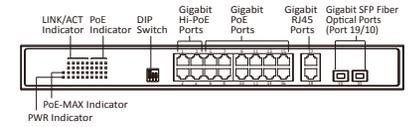
8 Ports:



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16 Ports:



NOTE

The front panel of the 24-port PoE switch is similar to that of the 16-port, with differences on 20 gigabit PoE ports, 28 LINK/ACT, 24 PoE Indicators and fiber optical ports are port 27 & 28.

Gigabit Hi-PoE Port

Used for other Hi-PoE PTZ cameras connection, and the max. power is 90 W.

Gigabit PoE Port

Used for other PoE devices connection via network cables.

Gigabit RJ45 Port

Used for devices connection via network cables.

Gigabit SFP Fiber Optical Port

Used for other devices connection via optical fiber when plugged into with an optical module.

DIP Switch

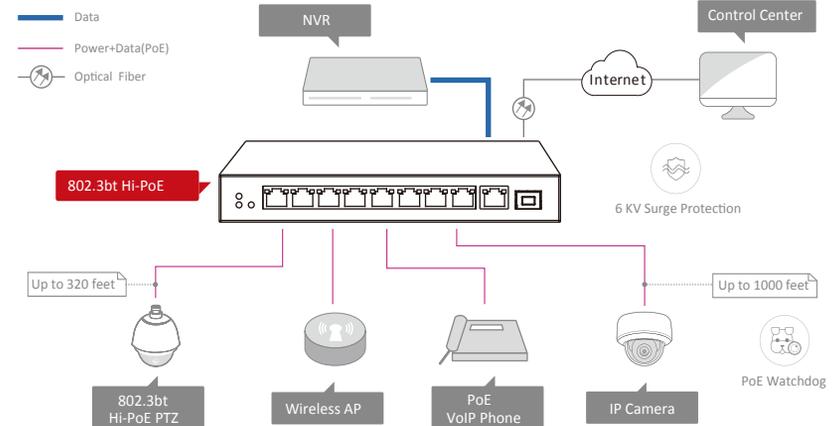
Three modes are supported:

- Extend: The last 2 PoE ports of 4/8 ports models and the last 4 of the 16/24-port support network transmission of up to 1000 feet.
- Isolation: Data transmission of each port is isolated from each other to improve network security.
- PoE Watchdog: Auto-detect and restart cameras that do not respond.

Device Connection

Connect your devices according to your actual networking requirements.

(Take the 8-port switch as an example.)



NOTE

The 4-port PoE switches are not equipped with the fiber optical port, so they cannot use the optical fiber to transmit data.

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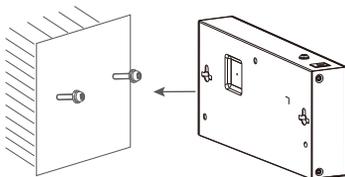
Device Installation

Prerequisites:

- Make sure the rack or desktop be stable and firm enough.
- The room must be well-ventilated. Keep at least 4 inches distance from all sides for cooling.
- Keep at least 0.6 inch vertical distance between each switch while installing it on a rack.

4/8 Ports

The shorter 4/8-port switches support desktop and wall-mounted installation. Follow the figure below for wall-mounted installation.

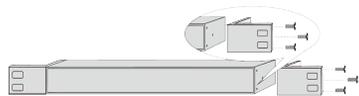


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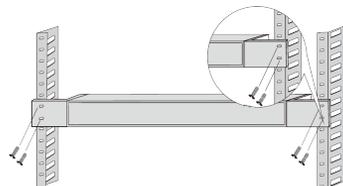
16/24 Ports

The longer 16/24-port switches only support rack installation. Follow the steps below for rack installation.

1. Check the grounding and stability of the rack.
2. Use the attached screws to fix the two L-shaped brackets to the sides of the switch.



3. Place your switch on the rack, fix it to the rack with self-prepared screws, and ensure the stable installation of your switch to the rack.



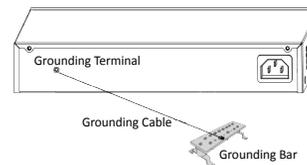
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Grounding

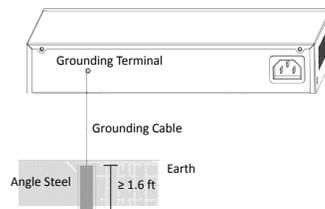
Purpose:

Grounding is used to quickly release overvoltage and overcurrent induced by lightning for switch, and to protect personal safety. Select the appropriate grounding method according to your needs.

With Grounding Bar:



Without Grounding Bar:

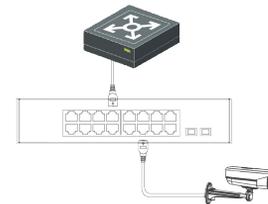


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Port Connection

PoE Port Connection:

Connect the switch to the PoE ports of an opposite end device, including network camera, IP camera, NVR, switch, etc.



Fiber Optical Port Connection:



- Do not bend fiber optic (curvature radius ≥ 10 cm) overly.
- Do not look directly at fiber optic connector for laser is harmful to eyes.

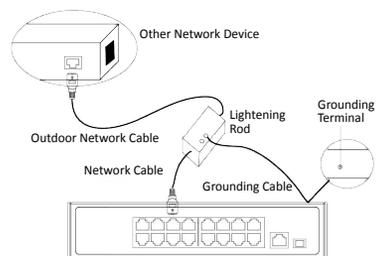
1. Connect the two paired SFP optical module with an optical fiber.
2. Hold SFP optical module from one side, and smoothly plug it into the switch along with the SFP port slot until optical module and the switch are closely attached.
3. After powering on your switch, check the status of Link/Act indicator. If the indicator is lit, the link is connected. If the indicator is unlit, the link is disconnected. Check the line, and make sure opposite devices have been started.

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Power-On Checking

Before powering your switch, make sure that:

- The operating power supply is compliant with rated input standard.
- Port cables and grounding cables are correctly connected.
- If there is outdoor cabling, connect a lightning rod and lightning arrester to the cable.



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See the following table and check whether your devices are correctly connected. After proper connection, you can use your switch without doing any settings.

Indicator	Status	Description
PWR	Solid	The switch is powered on normally.
	Unlit	No power supply connected or power supply is abnormal.
Link/Act	Solid	The port is connected.
	Blinking	The port is transmitting data.
PoE	Unlit	The port is disconnected or connection is abnormal.
	Solid	The switch provides power supply to PD normally.
PoE-MAX	Unlit	The switch is disconnected to PD, or provides power supply to PD abnormally.
	Solid /Blinking	The output power of the switch is about to reach or already reaches the upper limit. The power supply may be abnormal if more devices are connected.
PoE-MAX	Solid /Blinking	The output power of the switch is about to reach or already reaches the upper limit. The power supply may be abnormal if more devices are connected.
	Unlit	The switch provides power supply to PD normally.



The switch supports auto MDI/MDIX of ports, you can use straight-through cable or crossover cable to connect the switch and opposite Ethernet devices.

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Quick Start Guide

About this Manual

The Manual includes instructions for using and managing the product. Pictures, charts, images and all other information herein are for description and explanation only. The information contained in the Manual is subject to change, without notice, due to firmware updates or other reasons. Please find the latest version in the company website. Please use this user manual under the guidance of professionals.

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Regulatory Information

FCC Information

Please take attention that changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC compliance: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

FCC Conditions

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

EU Conformity Statement

This product and, if applicable, the supplied accessories too are marked with "CE" and comply therefore with the applicable harmonized European standards listed under the EMC Directive 2014/30/EU, the LVD Directive 2014/35/EU, the RoHS Directive 2011/65/EU.

2012/19/EU (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points.

For more information see: www.recyclethis.info

2006/66/EC (battery directive): This product contains a battery that cannot be disposed of as unsorted municipal waste in the European Union. See the product documentation for specific battery information. The battery is marked with this symbol, which may include lettering to indicate cadmium (Cd), lead (Pb), or mercury (Hg). For proper recycling, return the battery to your supplier or to a designated collection point. For more information see: www.recyclethis.info

Industry Canada (ICES-003 Compliance)

This device meets the CAN ICES-3 (A)/NMB-3(A) standards requirements.



Please use the attached power cord in package to power up the switch.

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