



# CLOUD INTELLIGENT L3 Perpetual PoE+ Network Switch

24 | 48 Port - 370 | 740 Watts

## BEFORE YOU START

Depending on your hardware model, your switch may appear different than the figures shown in this guide.

### 1) INSTALLATION AND SETUP

Confirm that you have the tools and package contents as follows:


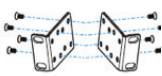

Tools Required:

- Phillips #2 screwdriver

Package Contents:

1. Ethernet Switch NS-24/48, console cable, power cord, rack-mounting hardware that includes:

- Rack-mount brackets (2)
- Screws to attach brackets to the switch (8)

|                 |   |   |   |
|-----------------|---|---|---|
| <b>PATTERN</b>  |  |  |  |
| <b>ITEM</b>     | Ethernet Switch NS-24/48  | Rack Mounting Hardware  | Quick start   |
| <b>QUANTITY</b> | 1   | 1   | 1   |



## 2) PRODUCT DESCRIPTION

The NS-24 and NS-48 provide the highest power supply in their class with an industry-leading 370 Watts and 740 watts respectively. Also, these PoE switches are designed with perpetual PoE which, allows the user the option to preserve power to any PoE connected devices during warm reboots.

**Note: Be sure to order Direct Attach cables and SFP or SFP+ transceivers if required.**

### 2A) UNPACK EQUIPMENT

1. Unpack the ethernet switch NS-24/48 Series.
2. Observe ESD precautions when unpacking.

### 2B) PREPARE THE RACK (OPTIONAL)

1. Provide the equivalent of 1U of vertical rack space for each NS-24 or NS-48 model in an EIA or IEC-standard 19-inch (48.2-centimeter) equipment rack.
2. Ensure that the equipment rack is stable and securely attached to a permanent structure.
3. Ground the rack to the same grounding electrode used by the power service in the area. The ground path must be permanent

and must not exceed 1 Ohm of resistance from the rack to the grounding electrode.

## 2C) INSTALL THE SWITCH

When you install the switch in the network, ensure you use the following cables:

1. Category 5E or higher specification cabling should be used for one Gbps/1000 Mbps operation
2. Multimode or single mode fiber cable depending on the transceiver type. For 850nm transceiver uses multimode fiber cable. For 1310 nm transceiver uses single mode fiber cable instead.

## 3) RACK MOUNTING

1. Attach a bracket to each side of the switch

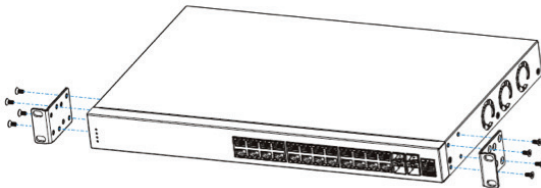


Fig 1

2. Slide the switch into the rack. Insert and tighten the rack-mount screws.
3. Verify that the switch is securely fastened to the rack.

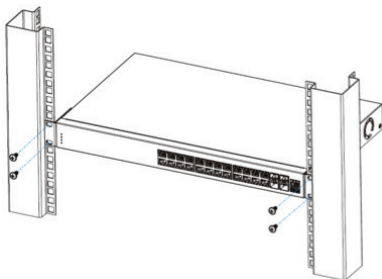


Fig 2

#### 4) CONNECTION TO NETWORK AND POWERING UP

Connect port 1 on the switch to a router.

**NOTE: Port 1 is a dedicated Cloud uplink port and must be used to connect to the router if VLAN's are used. Port 1 cannot be added to any VLAN's.vvv**



Fig 3



**Warning:** You must use a power cord set approved for the NS-24/48 Series switch and the power receptacle type for your country.

## 5) CONFIGURATION INSTRUCTIONS

Power up the device and you should be automatically connected to the Internet. You are now ready to download and install our App.

You can search Poewit in the Apple App Store or Google Play to get the App.

**NOTE:** Your device and mobile phone both must have an Internet connection through the same external IP address and must be on the same local subnet.



## 6) Warranty information

For warranty information please check our support page on our website.

**Please read these operating instructions carefully before start of operation.**



Suitable for installation in Information Technology Rooms in accordance with Article 645 of the National Electrical Code and NFPA 75.



"Peut être installé dans des salles de matériel de traitement de l'information conformément à l'article 645 du National Electrical Code et à la NFPA 75"



"Equipment is intended for installation in Restricted Access Location" (Instruction)



"Les matériels sont destinés à être installés dans des EMPLACEMENTS À ACCÈS RESTREINT" (Instruction) The device can only be used in a fixed location such as a telecommunication centre, a dedicated computer room. When you install the device, ensure that the protective earthing connection of the socket-outlet is verified by a skilled person.



Class I Equipment. This equipment must be earthed. The power plug must be connected to a properly wired earth ground socket outlet. An improperly wired socket outlet could place hazardous voltages on accessible metal parts.



The installation instructions clearly state that the ITE is to be connected only to PoE networks without routing to the outside plant.



**Caution: The Optical Transceiver product should use UL listed, and Rated Laser Class I, 3.3 Vdc**