UNV

PoE Networking Solution

User Guide

NSW2010-24T2GC-POE-IN

Package Contents

Check the following contents of your package:

- PoE Switch   x 1
- User Guide x 1
- Power Cord   x 1
- Accessories(Feet*4)

If any part is lost and damaged, please contact your local agent immediately.

FCC statements

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, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Caution: The user is cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: 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.

LVD/EMC Directive

- $C\epsilon$ This product complies with the European Low Voltage Directive 2014/35/EU and EMC Directive 2014/30/EU.

WEEE Directive–2012/19/EU

The product this manual refers to is covered by the Waste Electrical & Electronic Equipment (WEEE) Directive and must be disposed of in a responsible manner.

Battery Directive-2013/56/EC

Battery in the product complies with the European Battery Directive 2013/56/EC.For proper recycling,return the battery to your supplier or to a designated collection point.

Compliance Information Statement refer to: http://en.uniview.com/Support/Download_Center/Product_Installation/Declaration/
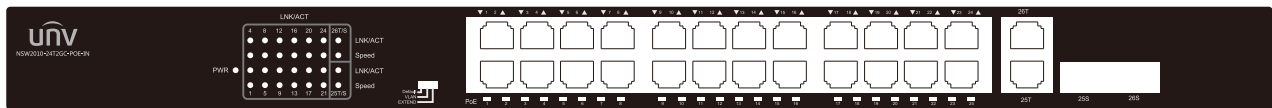
Introduction

NSW2010-24T2GC-POE-IN is Gigabit Uplink Unmanaged Switch which provides you with a high-performance, low-cost, easy-to-use, seamless and standard upgrade to boost your old network to 1000Mbps. Increase the speed of your network server and backbone connections, making Gigabit connection to a server or uplinking a network necessarily.

Its PoE ports can automatically detect and supply power with those IEEE 802.3af/at compliant Powered Devices (PD). The electrical power is transmitted along with data in one single cable allowing you to expand your network where there are no power lines or outlets, where you wish to fix devices such as AP, IP Cameras or IP Phones, etc.

Hardware Description

Front Panel

The Front Panel consists of 24-Port 10/100M Auto-Negotiation Ethernet RJ45 Ports, 2-Port Gigabit Combo Port. The LED indicators also on located on the panel.

NSW2010-24T2GC-POE-IN

LED indicator

LED	Color	Function
PWR	Green	Off: No Power supply Light: Indicates the switch has power
LNK/ACT	Green	Off: No device is connected to the corresponding port Light: Indicates the link through that port is successfully established at 10/100/1000Mbps. Blink: Indicates that the Switch is actively sending or receiving data over that port.
Speed	Green	Off: Indicates the link through established at 10/100Mbps. Light: Indicates the link through established at 1000Mbps.
PoE	Orange	Off: No PoE powered device (PD) connected Light: There is a PoE PD connected to be port, which supply power successfully. Blink: Indicates port abnormal power supply

DIP Switch

Default mode: When Extend closed the factory default mode can normal communication between port 1~18.
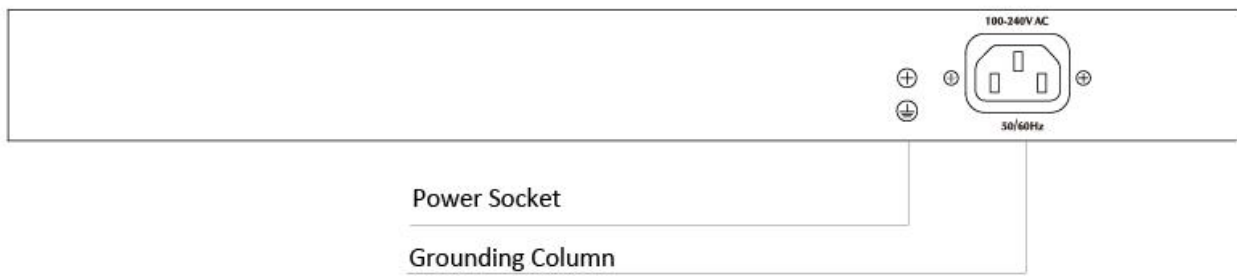
VLAN: 1-16port can be isolated each other but 1-8 port can connect to 17/18 port after open VLAN to stop broadcast Storm to increase forwarding rate of frame.

Extend: The Extend mode , Up to 250m PoE distance allows you to expand you network via Ethernet cable to where there is no power line or outlet but where you want to fix device such as IP Cameras.

Note: After change the mode, in order to make the corresponding configuration take effect you need to manually restart the PoE switch.

Rear Panel

The rear panel of 24FE(PoE)+2G Combo PoE Switch indicates an AC inlet power socket, Grounding Column.
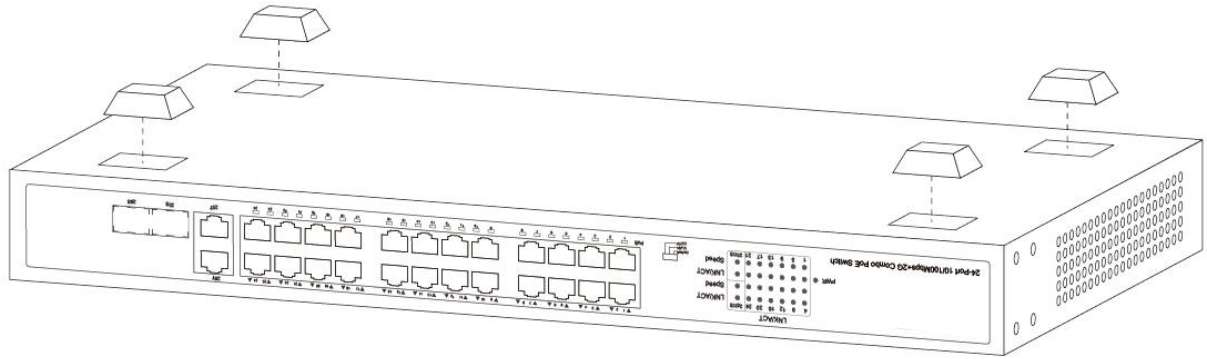

Power Socket

Grounding Column

Installation the Switch

This part describes how to install your Ethernet Switch and make connections to it. Please follow the following instructions in avoid of incorrect installation causing device damage and security threat.

● Before cleaning the switch, unplug the power plug of the switch first. Do not clean the switch with wet cloth or liquid;

● Do not place the switch near water or any damp area. Prevent water or moisture from entering the switch chassis;

● Do not place the switch on an unstable case or desk. The switch might be damaged severely in case of a fall;

● Ensure proper ventilation of the equipment room and keep the ventilation vents of the switch free of obstruction;

● Make sure that the operating voltage is the same one labeled on the switch;

● Do not open the chassis while the switch is operating or when electrical hazards are present to avoid electrical shocks.
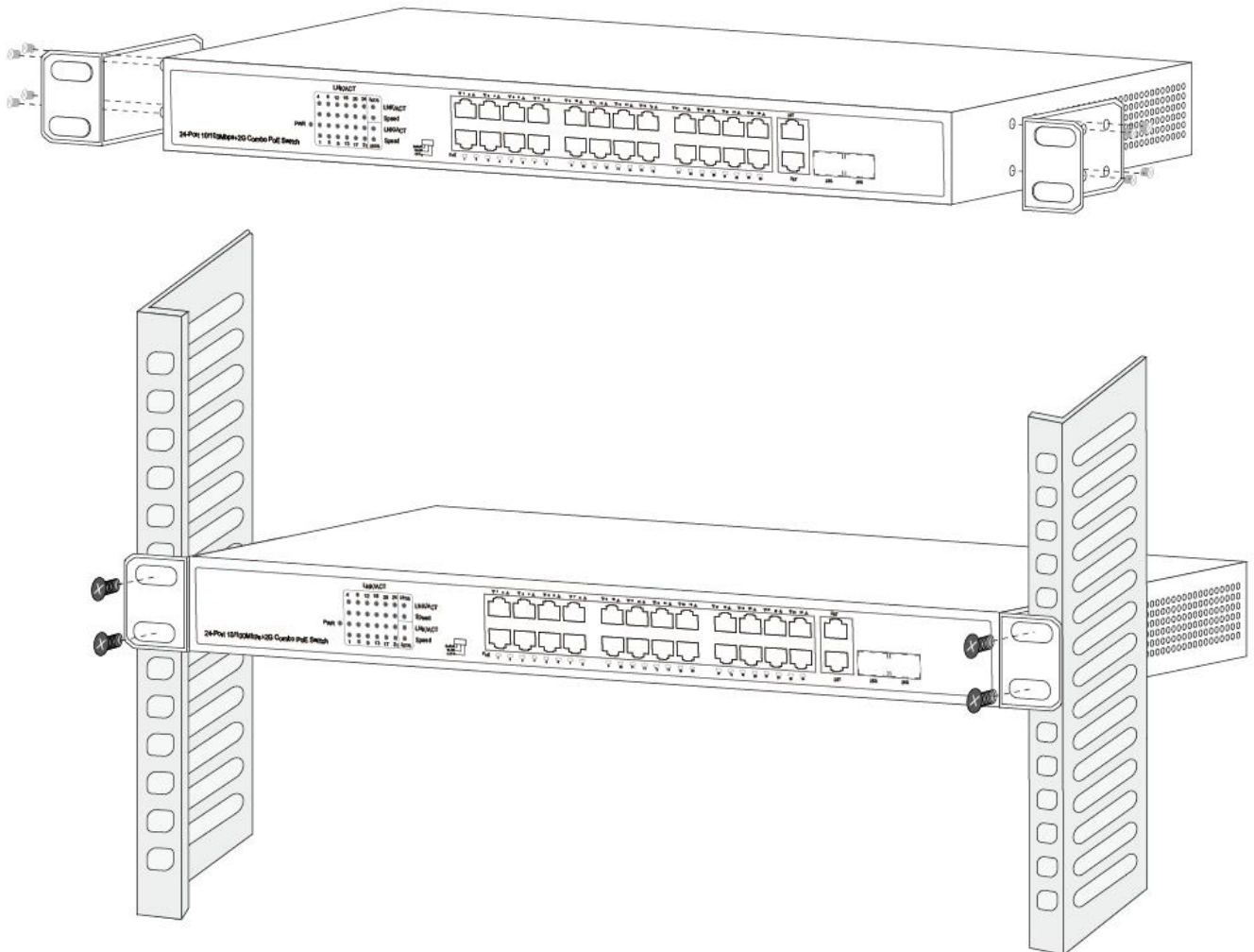
Desktop Installation

Install the Switch on a desktop, please attach these cushioning rubber feet provided on the bottom at each corner of the Switch in case of the external vibration. Allow adequate space for ventilation between the device and the objects around it. The installation diagram is as follows:

Rack-mountable Installation

NSW2010-24T2GC-POE-IN is rack-mountable and can be installed on an EIA-19 inch equipment rack. To do this, first, please install the mounting brackets on the switch's side panels (one on each side), secure them with the included screws, and then use the screws provided with the equipment rack to mount the switch on the 19 inch rack.

Turn on the switch

Plug in the negative connector of the provided power cord into the power socket of the device, and the positive connector into a power outlet. After the device is powered on, it begins the Power-On Self-Test. The PWR LED indicator will light on all the time.

Specifications

Model	NSW2010-24T2GC-POE-IN
Standard	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z, IEEE802.3x, IEEE802.3af, IEEE802.3at
Network Media(Cable)	10BASE-T: UTP category 3,4,5 cable (≤100m) 100BASE-TX: UTP category 5 cable (≤100m) 1000BASE-T: UTP category 5e cable (≤100m) 1000BASE-X: MMF or SMF SFP module
MAC Address Table	16K, Auto-learning, Auto-aging
Transfer mode	Store-and-Forward
Frame Forward Rate	10Base-T: 14881pps/Port 100Base-TX: 148810pps/Port 1000Base-T/X: 1488095pps/Port
Switching Capacity	8.8G
Dimensions (L*W*H)	440*207*44 mm
Fan	Fan
Power Input	AC: 100~240V, 50/60Hz
PoE Port	Port1~24
PoE Power on RJ45	Mode A 1/2(+),3/6(-)
PoE Power Output	Voltage: 55V DC Power: 32W(Max)
PoE Power budget	370W
Temperature	Operating Temperature: 0°C ~ 40 °C (32 °F ~104°F) Storage Temperature: -40 °C ~ 70 °C (-40 °F ~158°F)
Humidity	Operating Humidity: 10% ~ 90% non-condensing Storage Humidity: 5% ~ 90% non-condensing