



**Zenty | Professional A/V Solution Provider**

## **Quick Installation Manual [V1.0]**



### **24x1G PoE AV over IP Switch ZT-421 | ZT-IPSW24P**



**ZENTY®**  
9807 EMILY LANE  
STAFFORD, TX 77477  
(844) 200-1945  
SUPPORT@ZENTY.COM

# Table of Contents

1. About guide .....	2
2. Product introduction .....	2
3. Hardware installation .....	3
4. Technical specifications .....	7
5. Maintenance .....	8
6. Warranty .....	8
7. Mail-In Service .....	8
8. Limited Warranty Limits and Exclusions .....	8

# 1. About guide

This guide provides instructions to install the Switch.



**Note:** The model you have purchased may appear slightly different from the illustrations shown in the document. Refer to the Product Instruction and Technical Specification sections for detailed information about your switch, its components, network connections, and technical specifications.

This guide mainly divided into 4 parts:

1. About guide: Terminology/Copyright and statement
2. Product introduction: functional overview and introduction of panel definitions
3. Hardware installation: step by step hardware installation process
4. Technical specifications

## Terminology



**Note:** indicates important information that helps a better use of the device.



**Warning:** indicates potential property damage or personal injury.

## Copyright and statement

Without the express written permission of the company, no unit or individual is allowed to imitate, copy, transcribe or translate part or all of the contents of this book without authorization.

The pictures and data shown in this guide are for reference only, subject to change without notice.

## 2. Products introduction

Thanks for purchasing the Switch products.

This product is a AVoIP Solution PoE Switch, It provides 24 x10/100/1000Mbps Auto-Negotiation RJ45 PoE ports and 4x 10Gbps SFP+ Ports. which can satisfy the full speed forwarding of ports. The machine uses 19 "1U The standard chassis can be used on the desktop or on the rack. Excellent performance can help you widely use in for powering of wireless LAN(WLAN) access points, IP security cameras, VoIP telephone and other low port density installations.

### Front panel

The front panel consists of LED indications.



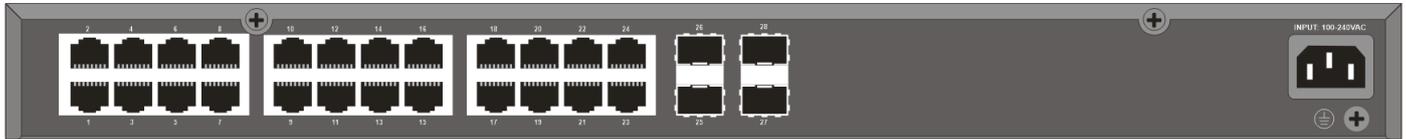
**PWR LED:** The logo LED lights up when the Switch is connected to a power source.

**Link/Act LED:** The Link/Act LED flashes which indicates a network link through the corresponding port. Blinking indicates that the Switch is either sending or receiving data to the port.

**PoE LED:** constant brightness indicates that the PD device is connected to the corresponding port, and extinguished indicates that the port is not powered or no PD device is found.

## Real panel

The rear panel view of the Switch consists of a AC power connector and network ports.



**Power input:** Supports input voltages 100-240VAC, 50/60Hz.

**Grounding:** use specialized ground lead connect. 

## 3. Hardware installation

This chapter provides unpacking and installation information for the switch.

### open a seal

Open the shipping carton and carefully unpack its contents. Please consult the packing list located in the User Manual to make sure all items are present and undamaged. If any item is missing or damaged, please contact the local reseller for replacement.

- › Switch 1pcs
- › AC power cord 1pcs
- › Rubber feet 4pcs
- › Screws 6pcs
- › Mounting brackets 2pcs
- › User manual 1pcs
- › Serial port lines 1pcs

### Switch installation

For safe switch installation and operation, it is recommended that you:

- › Visually inspect the power cord to see that it is secured fully to the AC power connector.
- › Make sure that there is proper heat dissipation and adequate ventilation around the switch.
- › Do not place heavy objects on the switch.

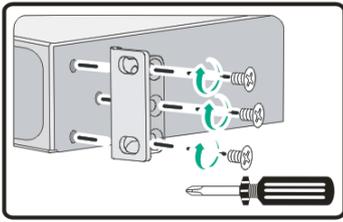
### Desktop or Shelf Installation

When installing the switch on a desktop or shelf, the rubber feet included with the device must be attached on the bottom at each corner of the device's base. Allow enough ventilation space between the device and the objects around it.

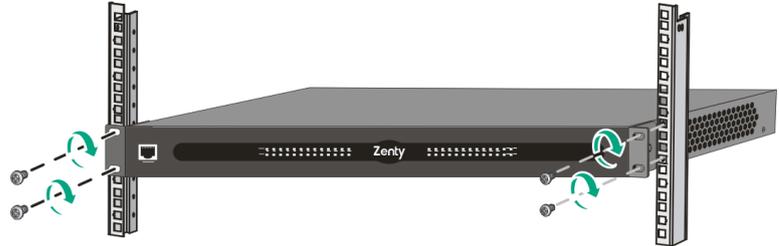
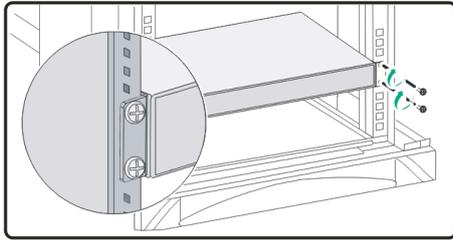


### Rack Installation

The switch can be mounted in an EIA standard size 19-inch rack, which can be placed in a wiring closet with other equipment. To install, attach the mounting brackets to the switch's side panels (one on each side) and secure them with the screws provided.



Then, use the screws provided with the equipment rack to mount the switch in the rack.



### Plugging in the AC Power Cord

You can connect AC power supply cord to switch back and the other side connect the power outlet. (power outlet might as well grounding and support over voltage protection)



**Warning:** Do not turn on the power switch before power cables are connected. Power surge may cause damage to the Switch.



### Power failure

As a precaution, the switch should be unplugged in case of power failure. When power is resumed, plug the switch back in.

### Using Web-based Management

After a successful physical installation, you can configure the Switch, monitor the network status, and display statistics using a web browser.

### Supported Web Browsers

The embedded Web-based Management currently supports the following web browsers:

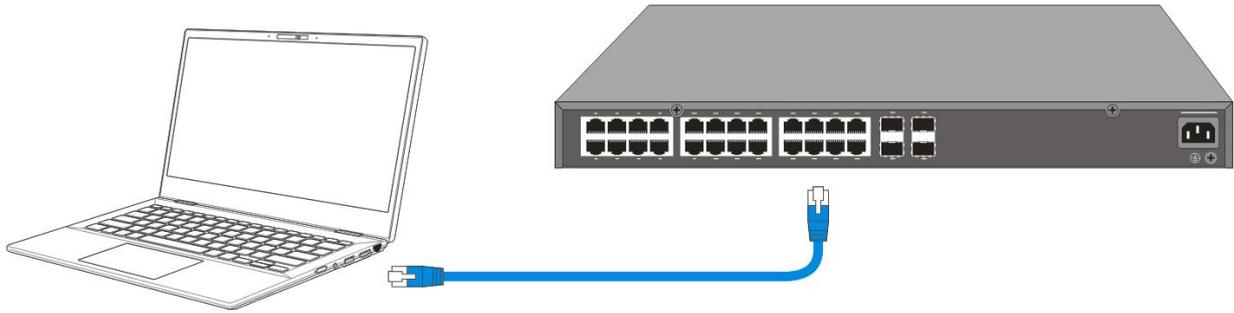
- Internet Explorer 6 or higher version
- Netscape 8 or higher version
- Mozilla
- Firefox 1.5/2.0 or higher version

### Connecting to the Switch

You will need the following equipment to begin the web configuration of your device:

1. PC with a RJ-45 Ethernet connection
2. Standard Ethernet cable

Connect the Ethernet cable to any of the ports on the front panel of the switch and to the Ethernet port on the PC.



### Login Web-based Management

1. To access the GUI of the switch, open a browser and type the default management address `http://192.168.168.254` in the address field of the browser, then press the Enter key.



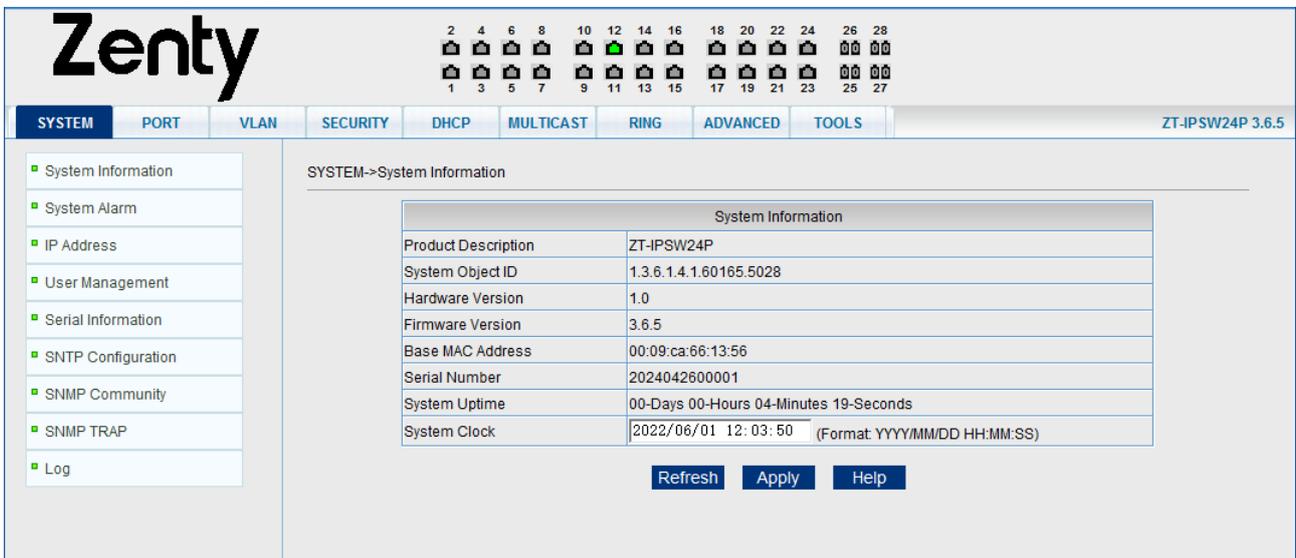
#### Note:

To log in to the switch, the IP address of your PC should be set in the same subnet as that of the switch. The IP address is `192.168.168.x` ("x" is any number from 2 to 254). Subnet Mask is `255.255.255.0`.

2. Enter **admin** for both the User Name and Password in the lower case letters. Then click the Login button or press the Enter key. By default, the username is **admin** and the password is **admin**.



3. After a successful login, the main page will appear as follows, and you can click the menu on the left side to configure the corresponding functions.



## 4. Technical specifications

Project	Describe
<b>Attributes</b>	
<b>Networking Interfaces</b>	24 x 10/100/1000 Mbps RJ45 Ethernet Ports 4 x 10 Gbps SFP+ Ports
<b>Management Interface</b>	Console
<b>LED Indicators</b>	Power, Link/Act, PoE
<b>Performance</b>	
<b>Switching Capacity</b>	128 Gbps
<b>Forwarding Capacity</b>	95.2 Mpps
<b>Forwarding Mode</b>	Store and Forward
<b>Packet Buffer Memory</b>	12 Mbit
<b>RAM for CPU</b>	2 Gbit
<b>Flash Memory</b>	128 Mbit
<b>MAC Address Table</b>	16K
<b>Max. Jumbo Frame size</b>	16KB
<b>ACL Table</b>	1K
<b>VLAN Quantity</b>	4K
<b>VLAN Interface</b>	1K
<b>Routing Host</b>	2K IPv4 or 512 IPv6
<b>Routing Entries</b>	512K IPv4 or 128 IPv6
<b>Port Queues</b>	8
<b>Physical</b>	
<b>Dimensions</b>	440 x 200 x 44 mm
<b>Operating Temperature</b>	0 to 40°C
<b>Storage Temperature</b>	-10 to 75°C
<b>Operating Humidity</b>	5 to 95% Noncondensing
<b>Power Method</b>	100-240VAC, 50/60Hz
<b>Max. Power Consumption</b>	Including PoE Output: 450W Excluding PoE Output: 30W
<b>Power over Ethernet</b>	
<b>PoE Interfaces</b>	Ports 1-24
<b>PoE Standard</b>	IEEE802.3af, IEEE802.3at
<b>PoE Budget</b>	300W
<b>Max. PoE Wattage per Port</b>	30W
<b>PoE Voltage</b>	52VDC
<b>PoE Pin Assignment</b>	V- (RJ45 Pin1,2), V+ (RJ45 Pin 3,6)

## Maintenance

Clean this unit with a soft, dry cloth. Never use alcohol, paint thinner, or benzine to clean.

## Warranty

If your product does not work properly because of a defect in materials or workmanship, our company (referred to as “the warrantor”) will, for the length of the period indicated as below, “Parts and Labor (5) Years”, which starts with the date of original purchase (“Limited Warranty period”), at its option either (a) repair your product with new or refurbished parts, or (b) replace it with a new or a refurbished product. The decision to repair or replace will be made by the warrantor.

During the “Labor” limited warranty period, there will be no charge for labor. During the “Parts” warranty period, there will be no charge for parts. You must mail-in your product during the warranty period. This Limited Warranty is extended only to the original purchaser and only covers products purchased as new. A purchase receipt or other proof of original purchase date is required for Limited Warranty service.

## Mail-In Service

When shipping the unit, carefully pack and send it prepaid, adequately insured, and preferably in the original carton. Include a letter detailing the complaint and provide a daytime phone and/or email address where you can be reached phone and/or email address where you can be reached.

## Limited Warranty Limits and Exclusions

This Limited Warranty ONLY COVERS failures due to defects in material or workmanship and DOES NOT COVER normal wear and tear or cosmetic damage. The Limited Warranty ALSO DOES NOT COVER damages which occurred in shipment, or failures which are caused by products not supplied by warrantor, or failures which result from accidents, misuse, abuse, neglect, mishandling, misapplication, alteration, faulty installation, set-up adjustments, mis-adjustment of consumer controls, improper maintenance, power line surge, lightning damage, modification, or service by anyone other than a Factory Service center or other Authorized Servicer, or damage that is attributed to acts of God.

There are no express warranties except as listed under “Limited Warranty Coverage”. The warrantor is not liable for incidental or consequential damages resulting from the use of this product or arising out of any breach of this warranty. (As examples, this excludes damages for lost time, cost of having someone remove or re-install an installed unit if applicable, travel to and from the service, loss of or damage to media or images, data or other recorded content. The items listed are not exclusive but are for illustration only). Parts and service, which are not covered by this limited warranty, are your responsibility.



**WWW.ZENTY.COM**  
**9807 EMILY LANE**  
**STAFFORD, TX 77477**

**(844) 200-1945**  
**SUPPORT@ZENTY.COM**  
**SALES@ZENTY.COM**