

# User Manual

## Packing List

Open the product box and carefully unpack all contents. The box should contain the following items. Please check before installation, if any are missing, please contact your distributor immediately.

Items	Quantity
Switch	1 pc
AC Power Cable	1 pc
Mounting Accessories	1 set
Quick Installation Guide	1 pc

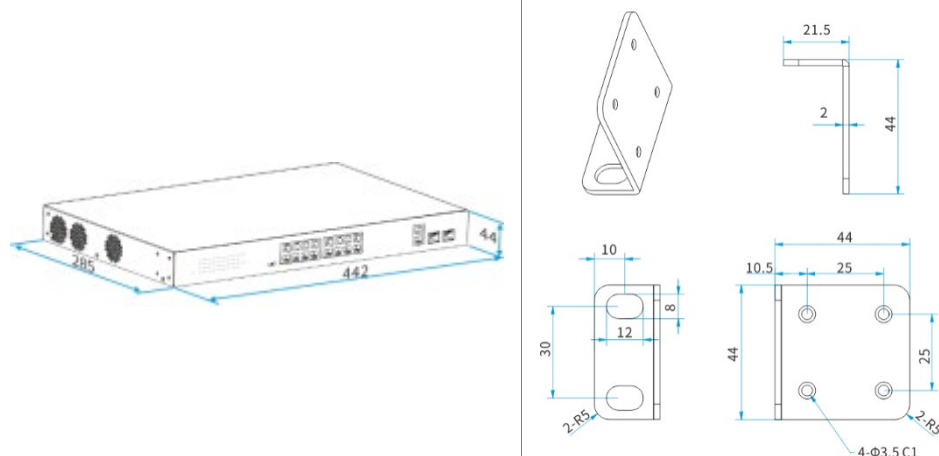
## Product Introduction

This switch provides sixteen Gigabit Ethernet RJ-45 downlink ports, two Gigabit Ethernet RJ-45 uplink ports and two Gigabit SFP uplink ports. All RJ-45 downlink ports support Power-over-Ethernet (PoE+) and deliver up to 30W power per port.

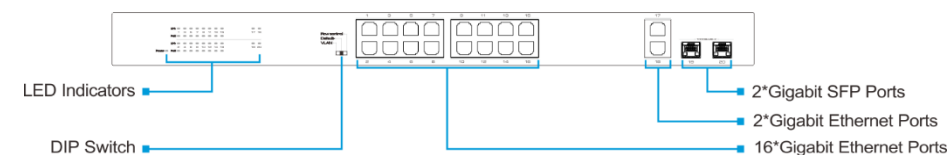
The switches work in three modes: default, VLAN, and flow control. It can be widely used in video security monitoring systems, network projects, etc.

## Hardware Introduction

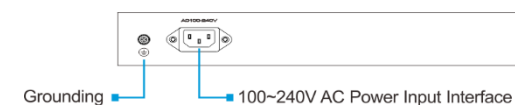
### Dimensions (mm)



### Front Panel (16-Port PoE Switch)



### Rear Panel (16-Port PoE Switch)



### Led Indicators

Indicators		Status	Descriptions
Power	Power Supply Indicator	On	The Main Power Supply is working.
		Off	The Main Power Supply is off.
Link	Port Link Indicator	On	The port is linking normally.
		Blink	The port is transmitting or receiving data.
		Off	The port links down.
PoE	Port PoE Indicator	On	The port is supplying PoE normally.
		Off	The port stopped supplying PoE.

### DIP Switch

Status	Descriptions
Default	Default mode. All ports are free to communicate
VLAN	Downlink ports are isolated from each other, but can communicate with uplink ports
Flow control	Enables flow control function, this mode is suitable for video surveillance transmission

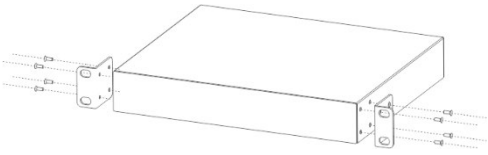


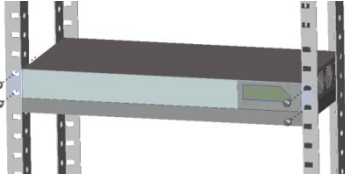

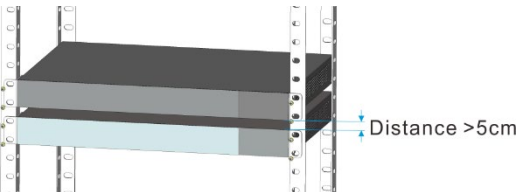
Note:

After changing the mode, please power on the device again to enter the corresponding mode.

## Installation Steps

- 1) Before installation, please disconnect the power supply of each signal source and equipment. Live installation may damage the transmission equipment.
- 2) The switch supports 19-inch rack, desktop and wall-mounted installations. Users can install the switch in a rack, or place it on a clean, stable, grounded workbench, or on a vertical, stable wall.

The 19-inch rack installation steps are shown in the following table:

<b>Step 1: Fix the hangers on the side of the switch.</b>	<b>Accessories</b>
	2*  8* 
<b>Step 2: Install the switch on the rack with screws in the package.</b>	<b>Accessories</b>
	4* 
<b>Step 3: Continue to install other devices in the rack. The distance between the devices should be more than 5cm.</b>	<b>Accessories</b>
	N/A

- 3) After step 2) is completed, please use Cat5 or thicker cables to connect the switch and the device.
- 4) Check the installation and the wiring, after confirming that the connection is correct and reliable, power on the switch.

The installation is complete.

## CAUTION

- Power on the system only after confirming that the wiring is correct, to avoid damage to the equipment.
- For better transmission performance, it is recommended to use Cat5 or better cables to connect the switch and powered devices.
- For better protection performance, it is recommended to always make the ground connection first and disconnect it at the end when operating the unit.
- Each PoE RJ-45 port can provide a maximum power of 30W for a powered device. Please do not connect to a powered device with a power exceeding 30W.
- Before operating or maintaining the switch, please read the user manual carefully to avoid equipment damage caused by misoperation.

## Specifications

<b>Items</b>	<b>UTP3-GSW1604TS-P200</b>
<b>Ethernet Ports</b>	
Downlink Ports	16*10/100/1000 Base-T PoE RJ-45 (Auto-MDI/MDI-X)
Uplink Ports	2*10/100/1000 Base-T RJ-45, 2*1000 Base-X SFP(Mini-GBIC)
<b>PoE</b>	
PoE Standard	IEEE 802.3af/at ( PSE)
PoE Power Supply Type	End-span
PoE Pin Assignment	1/2 (+) , 3/6 (-)
PoE Power Output	54V DC
PoE Power	30W max for each port, 175W max
<b>Switch Property</b>	
Standards	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z, IEEE802.3X
Forwarding Modes	Store and Forward
Packet Buffer	4Mbyte
MAC Table	8k
Switching Capacity	40Gbps / non-blocking
Packet Forwarding Rate	28Mpps
<b>Power Supply</b>	
Input Voltage	100V~240V AC, 50/60Hz
Power Consumption	200W (Including PoE)
<b>Reliability</b>	
Surge Immunity	6kV, Standard: IEC6000-4-5
ESD	6 kV Contact Discharge, 8kV Air Discharge, standard: IEC61000-4-2
Operating Temperature	14F~122F (-10C to 50C)
Storage Temperature	-40F~185F (-40C to 85C)
Operating Humidity	5%~95% (Non-condensation)
<b>Physical Parameters</b>	
Led Indicators	1*PWR Indicator 16*Downlink Port Link Indicators 16*Downlink Port PoE Indicators 4*Uplink Port Link Indicator
Dimension(W*D*H)	17.4" x 11.2" x 1.7" (442mm*285mm*44mm)
Gross Weight	11 Lbs.(5000g)
Net Weight	8.4 Lbs. (3800g)
Material	Metal
Installation	Rack mounted/ desktop/ wall mounted
<b>Certifications</b>	
Certifications	CE, FCC

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