

# **DIREKTRONIK**

*Dataprodukter utöver det vanliga*

## **User Guide**

**Direktronik Connect Omanagerad 2+8xPoE**



# **DIREKTRONIK**

Direktronik AB tel. 08-52 400 700 [www.direktronik.se](http://www.direktronik.se)

## Package Contents

Check the following contents of your package:

- PoE Switch \*1
- User Guide \*1
- Power Cord \*1
- Accessories(Rack Mount Kit \*2, Screw \*8, Rubber Feet \*4)

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

## Introduction

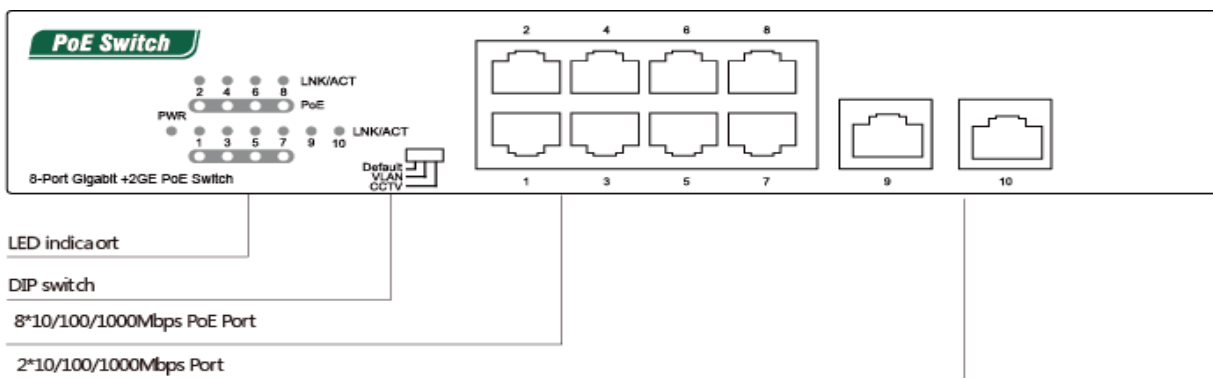
20117390 is a Switch which provides you with a high-performance, low-cost, easy-to-use, seamless and standard upgrade to boost your old network to 1000Mbps. Increase the speed of your network server and backbone connections, making Gigabit connection to a server or uplink a network necessarily.

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 Ethernet Ports. The LED indicators are also located on the panel.



## DIP Switch

The DIP Switch located on the left panel.

**Default:** the factory default mode, can normal communication between port 1~10.

**VLAN:** 1-8 port can be isolated each other but 1-8 port can connect to 9/10 port after open VLAN to stop broadcast

Storm to increase forwarding rate of frame.

**CCTV** 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:**

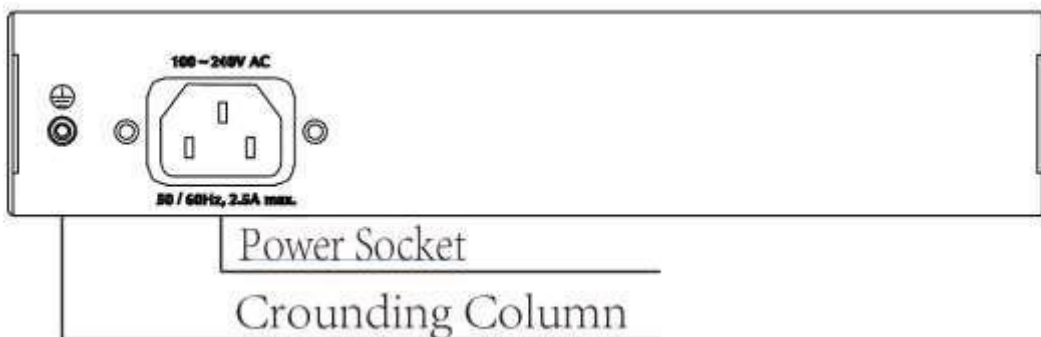
After change the mode, there is no need to restart manually to make the corresponding configuration take effect.

## 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.
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.

## Rear Panel

The rear panel of the PoE Switch indicates an AC inlet power socket, which accepts input power from 100-240V AC, 50/60HZ.



### **Power socket**

Connect the female connector of the power cord here, and the male connector to the AC (Alternating Current) power outlet. Please make sure the voltage of the power supply meets the requirement of the input voltage

### **Grounding column**

The Switch already comes with lightning protection mechanism. You can also ground the Switch through the PE (Protecting Earth) cable of AC cord or with Ground Cable.

## **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.

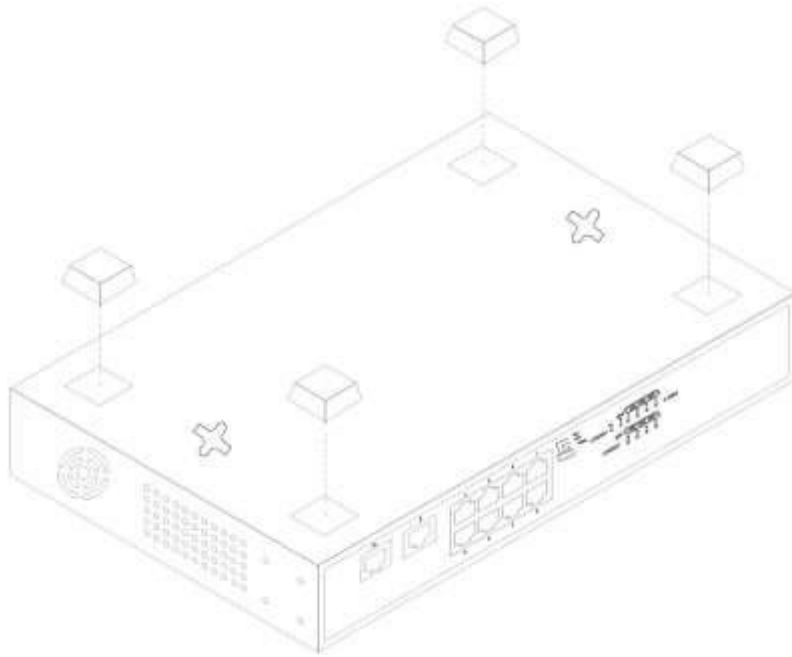
- Before cleaning the Switch, unplug the power plug of the Switch first. Do not clean the Switch with wet cloth or liquid;
- Do not place the Switch near water or any damp area. Prevent water or moisture from entering the Switch chassis;
- Do not place the Switch on an unstable case or desk. The Switch 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;
- To avoid the danger of electric shock, do not open the chassis without authorization; If any fault occurs, contact professional maintenance personnel.

## **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 logo for DIREKTRONIK, featuring the word "DIREKTRONIK" in a bold, italicized, sans-serif font. The letters are white with a thick red outline, set against a yellow background that curves upwards from the bottom right corner of the page.

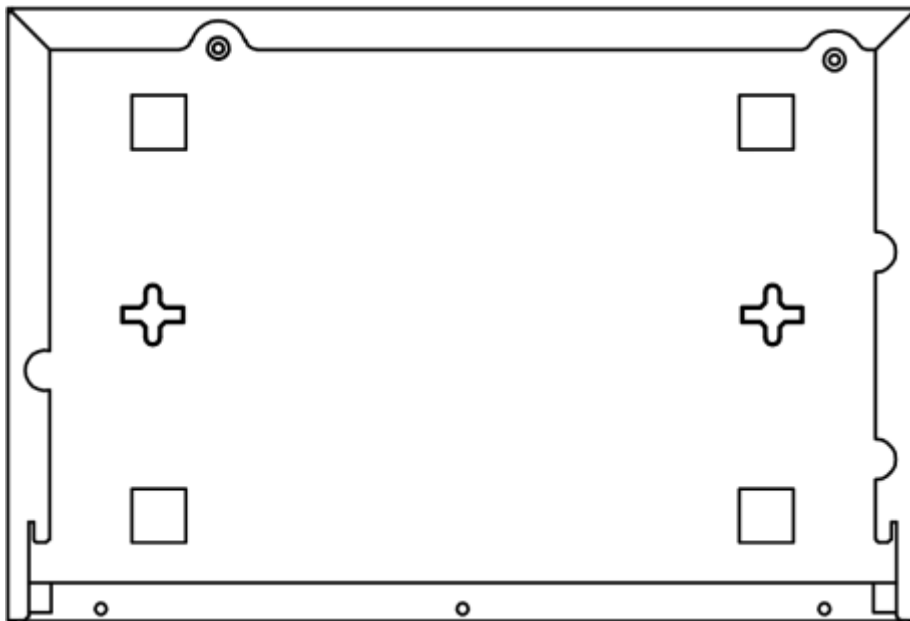
Direktronik AB tel. 08-52 400 700 [www.direktronik.se](http://www.direktronik.se)



#### Wall-mounted installation

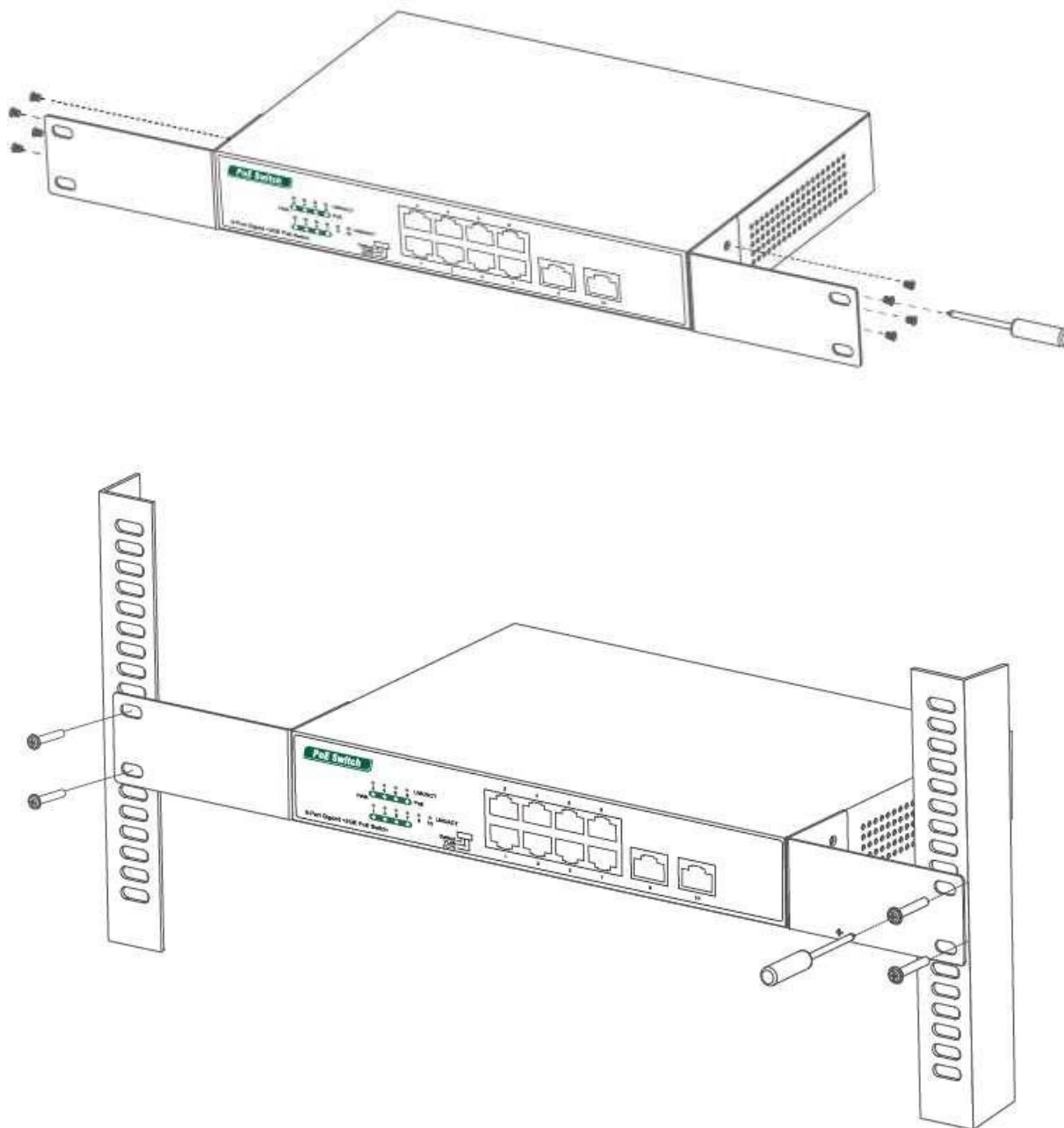
In the first two fixed screw on the wall as shown in the figure below

Aim at the two fixed hole Switches (M4 screw, nut diameter 7 mm) , and the machine smoothly on the screw



#### Rack-mountable Installation

The Switch 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 11 inch rack.



## Turn on the Switch

Please connect the AC power cord into the rear of the Switch and to an electrical outlet (preferably one that is grounded). When the Switch is power on, the LED indicators flash momentarily for one second, which represents a resetting of the system. The Power LED indicator turns on green.

Note: Please confirm the voltage is correct before power on, otherwise the Switch will be damaged.  
(The power input is:100-240V AC, 50/60Hz.)

## Specifications

Model	Direktronik Connect Omanagerad 2+8xPoE
Standard	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3az, IEEE802.3x, IEEE802.3af, IEEE802.3at
Network Media	1000BASE-T: UTP category 5e cable (≤100m) 10BASE-T: UTP category 3,4,5 cable (≤100m) 100BASE-TX: UTP category 5 cable (≤100m)
MAC Address Table	2K, 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	20Gbps
Dimensions (L*W*H)	220 * 150*44mm
Fan	1
Power Input	AC: 100~240V, 50/60Hz
PoE Port	Port1~8
PoE Power on RJ45	Mode A 1/2(+),3/6(-)
PoE Power Output	Voltage: 55V DC Power: 30W(Max)
PoE Power Budget	120W
Power Input	130W
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