

Thank you for picking us over the competition. For years we have been a leading provider of PoE over cat5 and Power Fiber System. Please take a few minutes to read through this guide before you get start. Not only there are some helpful tips, but also we have some guides to help you plan and install your switch.

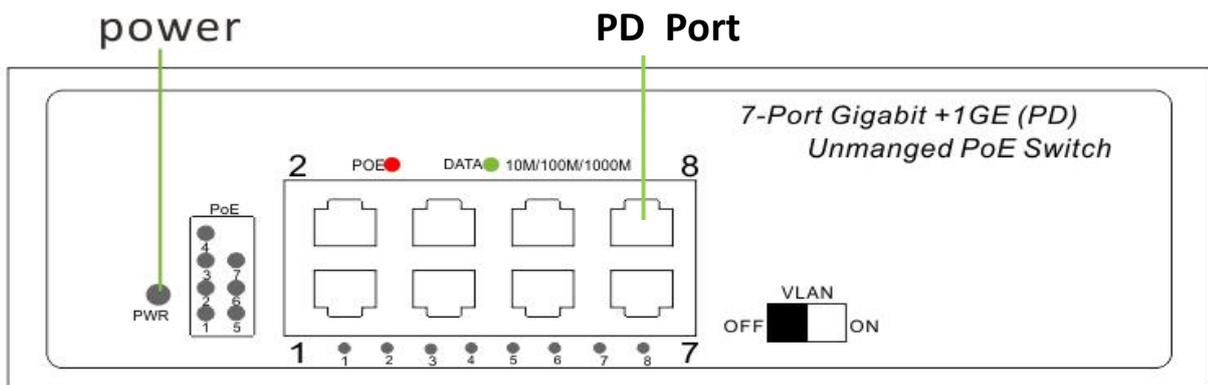
Installation Requirements

If this product is for indoor application, pick the cat5e (or higher grade) UTP cable. If this product is for outdoor application, the shield cat5e (or higher grade) UTP cable should be used for all Ethernet connections. We recommend you choose pure copper UTP cable. Pure copper not only can guarantee a maximum of transmission distance, but also the bandwidth.

NOTE: Do not expose this switch to rain or moisture environment which may cause electric shock or fire. If the switch will be installed outside, it should be housed in a protective enclosure. Providing shade to avoid strong sunlight cooking the enclosure.

Hardware Overview

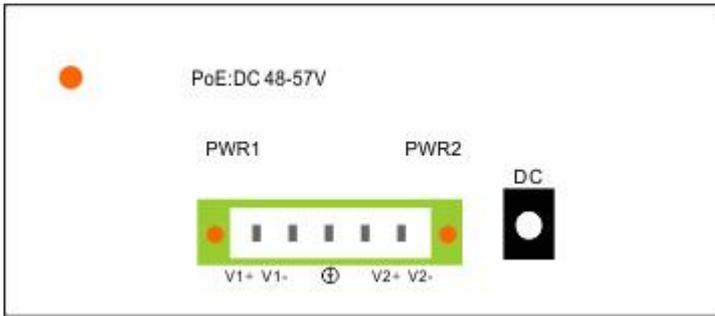
Front Panel



Port	Description
1S-7S	RJ45 port – 10/100/1000 Ethernet with PoE, support IEEE802.3af/at.
8S	RJ45 port – Powered by IEEE802.3af/at/bt PoE & 10/100/1000 Ethernet for uplink.
VLAN	Switch VLAN ON for 250 meters PoE, The data rate will slow down to 10mbps when VLAN is ON.

LEDs	Status
Power	OFF – power off Yellow- Power ON
1-8 (Link/ACT)	OFF-No Link Red-10/100/1000mbps link flashing indicates data exchanging.
1-7 PoE	OFF-No POE Yellow - 48V standard PoE.

Back Panel



Detail	Description
Ground	ESD grounding for ESD protection. The screws and washer are included.
Power Input (optional)	Connect to external DC power, 48V-57V DC. The PoE powered switch can work with external power supply unit.

Hardware Installation

Place the PoE Powered switch on the flat, horizontal surface or mount it on the din rail. The PoE powered switch fits into DIN rail. Snap mounting plate to DIN rail. To remove device from DIN rail, push upwards and then rotate to remove top edge firstly and then bottom.

Connecting the Switch

The PoE Powered switch accepts PoE power from another PoE switch/injector or external power input (Power Supply Unit is not included) from DC48V to DC57V. As the conventional PoE switch only can supply IEEE802.3at (PoE+), the PoE powered Switch will have 20W power budget if you connect to conventional PoE switch. However, this PoE powered switch also supports the latest IEEE802.3bt standard which employs all 4 pairs Ethernet cable to transport the power and data, you can use Fastcabling 90W PoE injector to send the power to this switch which will have 71W available power budget eventually.

NOTE: Be sure you never connect two uplink ports to the same core switch or router which will create ring network and block all the network accessing.



1. First, connect one end of Ethernet patch cord to **port #8** of PoE powered switch.
2. Next, connect the other end to PoE switch or PoE injector
3. Now Plug PoE IP device to one of ports in PoE Powered Switch.

Once the PoE Powered Switch has been connected to another PoE switch or PoE injector, the power LEDs will be turned on. In a short while, you can connect your IP device to one of the PoE port, the corresponding LINK/ACT LEDs will be turned on in Red, then start flashing. All these means your IP device has been powered up and started exchange data with PoE Powered switch.

If you only see the PoE LED indicators keep being ON and OFF. Usually, this means the PoE switch can't verify your IP device, so it will refuse to release the power in order to protect whatever is in the front-end. Either the failed on your IP device (including the IP device doesn't comply with IEEE802.3af/at) or the failed on the cable could cause the verification process unsuccessful.

Electrical Safety Information

1. Compliance is required with respect to voltage, frequency, and current requirements indicated on the manufacturer's label. Connection to a different power source than those specified may result in improper operation, damage to the equipment or pose a fire hazard if the limitations are not followed.
2. There are no operator serviceable parts inside this equipment. Service should be provided only by a qualified service technician.
3. This equipment is provided with a detachable power cord which has an integral safety ground wire intended for connection to a grounded safety outlet.
4. Do not substitute the power cord with one that is not the provided approved type. Never use an adapter plug to connect to a 2-wire outlet as this will defeat the continuity of the grounding wire.
5. The equipment requires the use of the ground wire as a part of the safety certification, modification or misuse can trigger a shock hazard that can result in serious injury or death.
6. Contact a qualified electrician or the manufacturer if there are questions about the installation prior to connecting the equipment.
7. Protective bonding must be installed in accordance with local national wiring rules and regulations.

Need More Help?

If you require more help setting up your PoE Powered Switch, please head to our help site where you will be able to find the corresponding help guides and video tourist.

Visit our help site
fastcabling.com/support/

Declaration of Conformity

We, Fastcabling LTD., hereby declare that the products:

Fastcabling PoE Powered Switch

is in conformity with all the essential requirements of **EMC Directive 2014/30/EU**

Assessment of compliance of the product with the requirements relating to the following specifications:

EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013

EN 55032:2015+AC:2016 Class A

AS/NZS CISPR 32:2015 Class A

EN 61000-3-2:2014 Class A

EN 61000-3-3:2013

EN 55035:2017

