



FASTCABLING L2+ Managed Switch Instruction Manual

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FASTCABLING L2+ Managed Switch



Product Information – L2+ Managed Switch

Thank you for choosing our L2+ Managed Switch. We have been a leading provider of PoE over Cat5 and Power Fiber System for many years. Please take a few minutes to read through this guide before you get started. It contains helpful tips and guides to assist you in planning and installing your switch.

Installation Requirements

If you are using this product indoors, we recommend using Cat5e (or higher category) UTP cable. We suggest choosing pure copper UTP cable as it ensures maximum transmission distance and bandwidth.

NOTE: Do not expose this switch to a rainy or moist environment as it may cause electric shock or fire. The switch should be installed in places with a good ventilation system.

Hardware Overview

Front Panel: Port 1-16 17-24 25-26 Console Reset PWR Data (Link/ACT) PWR

Detail: Ground Power

Description: ESD grounding for ESD protection. The screws and washer are included. Connect to AC power cord.

100V-240VAC 50/60Ghz.

Hardware Installation

Place the Managed switch on a flat, horizontal surface or mount it on the wall. If installing the switch on a desktop, attach the cushioning rubber feet provided on the bottom at each corner of the Switch to prevent external vibration. Allow adequate space for ventilation between the device and surrounding objects.

Connecting the Switch

The switch accepts AC voltage range from 100V-240VAC 50/60Ghz. Connecting the switch to input voltage higher or lower than the range may damage the switch.

NOTE: Never connect two uplink ports to the same core switch or router, as this will create a ring network and block all network access.

1. First, connect the AC power cord to the power port at the rear of your switch.
2. Next, connect the other end of the AC power cord to the power outlet. The power indicator will turn on shortly.
3. Then, connect an Ethernet cable to one of the uplink ports on the switch and connect the other end of the Ethernet cable to a core switch or router. This will attach the switch to your main network.
4. Finally, you can choose one of the RJ45 ports and use an Ethernet cable to connect it to your IP devices such as an Edge switch, IP camera, VoIP, or access point.

Using the SFP Port (Optional)

The managed switch has SFP uplink ports that provide long-distance transmission with low latency over fiber optic cable. To use the SFP port:

1. First, remove the protective plug covering on the SFP port.
2. Next, insert the SFP module (not included) into one of the SFP ports.
3. Now, connect the fiber optic cable to the SFP module and then connect the other end of the fiber optic cable to another IP device.

Logging Into the Web Browser

The default IP address is 192.168.2.1/24. To log into the web browser and configure the switch:

1. Depress the reset button at the front of the switch and hold it for 10 seconds, then release it to set the switch

back to 192.168.2.1.

2. If your current subnet doesn't belong to 192.168.2.*/24, you will need to change the IP address of the switch before you can access the web browser in the local LAN.
3. The IP address 192.168.2.1 belongs to VLAN1, which is the default VLAN. You cannot delete the default VLAN, but you can change the IP address.

L2+ Managed switch

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 started. Not only there are some helpful tips, but also we have some guides to help you plan and install your switch.

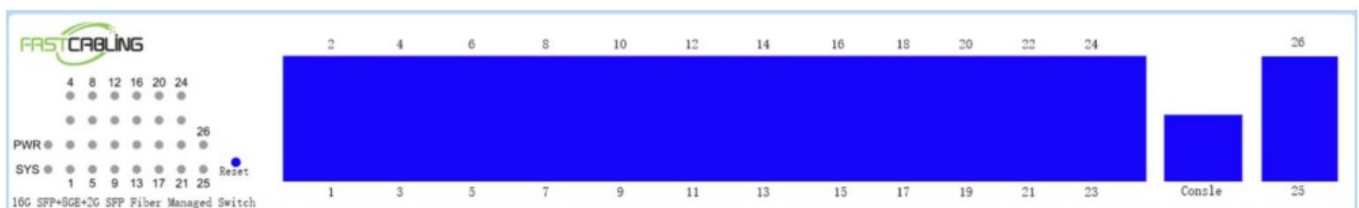
Installation Requirements

If this product is for indoor application, pick the cat5e (or higher category) UTP cable. We recommend you choose pure copper UTP cable. Pure copper not only can guarantee a maximum transmission distance, but also the bandwidth.

NOTE: Do not expose this switch to a rain or moisture environment which may cause electric shock or fire. The switch should be installed at places with a good ventilation system

Hardware Overview

Front Panel



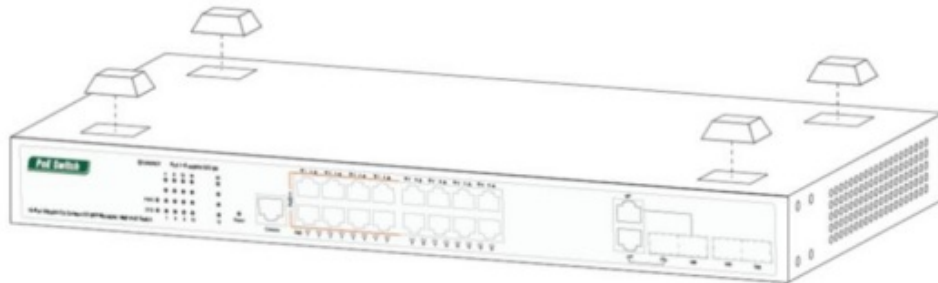
Port	Description
1-16	10/100/1000 SFP slot.
17-24	RJ45 port – 10/100/1000 Ethernet
25-26	10/100/1000 SFP slot
Console	CLI connection – Baud Rate : 9600
Reset	Reset button the switch.
PWR	OFF: No power Green: Power ON
Data (Link/ACT)	OFF-No Link Red-10/100/1000mbps link flashing indicates data exchanging.
PWR	OFF: No power Green: Power ON



Detail	Description
Ground	ESD grounding for ESD protection. The screws and washer are included.
Power	Connect to AC power cord. 100V-240VCA 50/60Ghz.

Hardware Installation

Place the Managed switch on the flat, horizontal surface or mount it on the wall. 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 external vibration. Allow adequate space for ventilation between the device and the objects around it.



Connecting the Switch

The switch accepts AC voltage range from 100V-240VAC 50/60Ghz. The input voltage is higher or lower than the range may damage the switch.

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 AC power cord to the power port at the rear of your switch.
2. Next, connect the other end to the power outlet. In a short while, power indicator will be turned on.
3. Then connect the Ethernet cable to one of the uplink ports, and connect the other end of this Ethernet cable to a core switch or router. Now you have attached this switch to your main network.
4. Next, you can choose one of the RJ45 ports and use Ethernet cable to connect it to your IP devices such as Edge switch, IP camera, VoIP or access point etc.

Using the SFP Port (Optional)

The managed switch has SFP uplink ports which provides long distance transmission with low latency over fiber optic cable. You will need SFP module (not included) to connect managed Switch to another fiber device. To use SFP port

1. First Remove the protective plug covering on the SFP port.
2. Next Insert the SFP module into one of the SFP ports.
3. Now connect the fiber optic cable to the SFP module, then connect the other end of the fiber optic cable to your another IP device.

Log Into web browser

- The default IP address is 192.168.2.1/24. You can log into the web browser to configure the switch. Depress the reset button at the front and hold it for 10 seconds, then release can set back the switch to 192.168.2.1.
- If your current subnet doesn't belong to 192.168.2.* /24, you will need to change the IP address of the switch before you can access the web browser in the local LAN.
- The 192.168.2.1 belongs to VLAN1 which is the default VLAN. You can't delete the default VLAN, but you can change the IP address.
- Let's assume you have configured your computer to 192.168.2.* /24 subnet, now you can use the cable to connect one of the uplink ports.
- Next, input the 192.168.2.1, the default credential is admin/admin for both username and password.
- Once you log into the browser. Please find the Port Configuration "L3 interface IP address mode configuration" under "VLAN interface configuration"
- Next input your IP address, subnet mask, choose to Add and click Apply. You will be no longer with the current IP address. It is important to know the IP address is still not write to the memory yet. Please don't power off the switch.
- Now, change the IP address of your computer to match your new subnet you just assigned to the switch. You should be able to access the switch with a new IP address.
- Once you log into the web browser with a new IP address, go to the first option "Switch basic configuration", choose the "switch basic configuration" again, then click the "Save current running-configuration". The new IP address will be saved to the memory now. You also can click "Save & Exit" to save the change.

Note: The change will not be saved to the memory until you use either "save & exit" or "Save current running-configuration".

Access with CLI

In order to access the switch through CLI, you will need to have a computer with a Serial port (9600 baud rate). The connection cable is included. What you need to do is link the serial port to the console port at the console. You may need software such as SecureCRT to input the command to the switch. Do not miss the last command to save the change.

- `//* set the IP address of router.`
- `Switch# config`
- `Switch(config)# interface vlan1`
- `Switch(config-if-vlan1)# ip address 192.168.1.201 255.255.255.0`
- `Switch(config-if-vlan1)# exit`
- `Switch(config)# ip route 0.0.0.0 0.0.0.0 192.168.1.1 (the last one is the gateway – nexthop)`
- `Switch(config)# exit`
- `Switch# show running-config (space key to move next page)`
- `Switch# write running-config (very important!)`

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 L2+ managed 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 L2+ Managed 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

Documents / Resources

	FASTCABLING L2+ Managed Switch [pdf] Instruction Manual L2, L2 Managed Switch, Managed Switch, Switch
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References

-  [Support-portal - FASTCABLING](#)

Manuals+.