FASTCABLiNG 6510-14 Visual Managed PoE Switch User Manual

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Contents

Introduction

Thank you for picking us over the competition. For years we have been a leading provider of PoEovercat5and Power Fiber System. Please take a few minutes to read through this guide before you get started. Notonly there are some helpful tips, but also we have some guides to help you plan and install your switch.
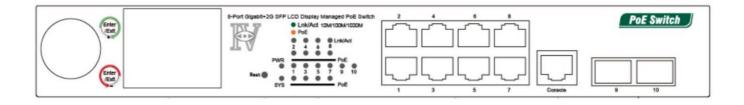
Installation Requirements

If this product is for indoor application, pick the catSe (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 95W PoE switch should be installed at places with a good ventilation system.

Hardware Overview

Front

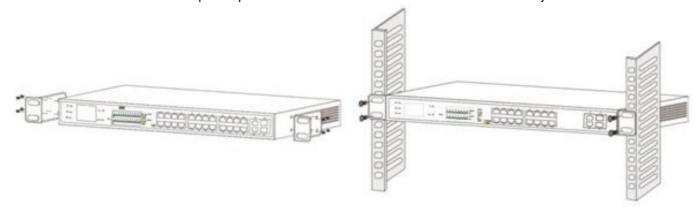| Port	Description
1-4	RJ45 port – 10/100/1000 Ethernet with PoE, support IEEE802.3af/at/bt (60W).
5-8	RJ45 port – 10/100/1000 Ethernet with PoE, support IEEE802.3af/at.
9-10	RJ45 port – 10/100/1000 SFP slot for uplink.
Console	CLI connection – Baud rate: 9600
Reset	Reset button the PoE switch.
PWR	OFF: No power Green: Power ON
Data (Link/ACT)	OFF-No Link Red-10/100/lO00mbps link flashing indicates data exchanging.
PoE indicator	OFF-No POE Yellow – Standard PoE.
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.

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.

Hardware Installation

Place the Managed PoE 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 PoE ports and use Ethernet cable to connect it to your IP devices such as IP camera, VoIP or access point etc.

Once the PoE IP device has been connected to the switch, the PoE LEDs will be turned on in Yellow. In a short while, 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 exchanging data with a PoE 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 that doesn't comply with IEEE802.3af/at/bt) or the failure on the cable could cause an unsuccessful verification process.

Using the SFP Port (Optional)

The managed PoE switch has 4 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 PoE 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 fiber 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 current network, 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 wrote 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-vlanl)# ip address192.168.1.201 255.255.255.0
Switch{config-if-vlanl)# 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!)
```
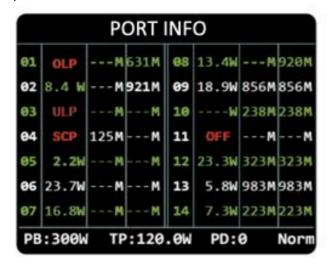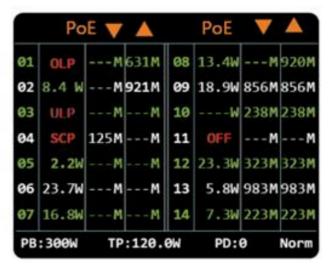
Use the LCD Display

Once the visual PoE switch is powered up, the LCD screen will display the relative information of PoE ports. If there's no operation over 10 minutes on the LCD screen, it will be turned off automatically to save energy. Press any of the button around the LCD display, the screen will be activated again. The below is the typical display with port information.

Log into the Menu – Press the Center key and hold it for 2-3 seconds, then release, the password interface will appear. The default password is 1234. Rotating the plate in Clockwise or Counterclockwise direction to pick the number. Press Center key to select the number you picked, Now move to second number until you fill in all the 4 digit password.

If you happen to input the wrong number/ Press the center key and hold it for 2-3 seconds to restart from again.
Enter – Hit the Center button to Enter the selection
Exit – Press the enter button and hold it for 2-3 seconds, then let it go, it will return to previous page.

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 95W PoE switch, please head to our help site where you will be able to find the corresponding help guides and video tourist.

Declaration of Conformity

We. Fastcabling LTD., hereby declare that the products:
Fastcabling Managed PoE Switch

CE

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+AI: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

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Documents / Resources

[**FASTCABLiNG 6510-14 Visual Managed PoE Switch**](#) [pdf] User Manual
6510-14 Visual Managed PoE Switch, 6510-14, Visual Managed PoE Switch, Managed PoE Switch, PoE Switch, Switch

References

- F **Support-portal - FASTCABLING**