



ELECTRONICS

# Quick Installation Guide

L3 Managed PoE Switch  
GLC-AP-G640-E

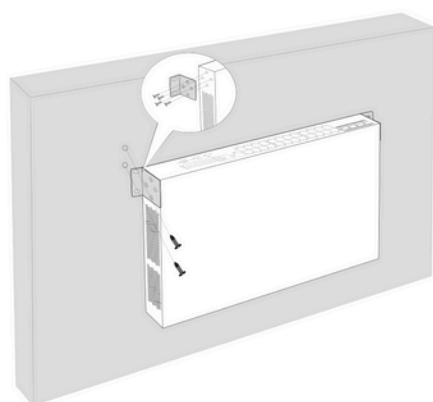
## Package contents

- Switch x 1
- Power cord x 1
- Console cable x 1
- L-shaped bracket x 2
- Footpad x 4
- Screw (thread diameter: 3 mm, length: 8 mm; head diameter: 6 mm) x 8
- Quick installation guide x 1

## Wall mounting

- Note:**
- The switch can only be installed on non-flammable walls, such as a concrete wall.
  - Do **NOT** install the switch with air vents facing downward; otherwise, there will be potential safety hazards.

1. Fix the two L-shaped brackets to both sides of the switch with the included screws.
2. Place the switch horizontally onto the wall with its RJ45 ports facing upward, and then mark the screw holes on the wall with a marker.
3. Drill holes in the marked positions, and then hammer the expansion bolts (self-prepared, specifications see **Preparations**) into the holes.
4. Insert the screws (self-prepared, specifications see **Preparations**) through the holes of the two L-shaped brackets, and secure the screws into the expansion bolts with a screwdriver. Ensure that the switch is installed firmly with its RJ45 ports facing upward.

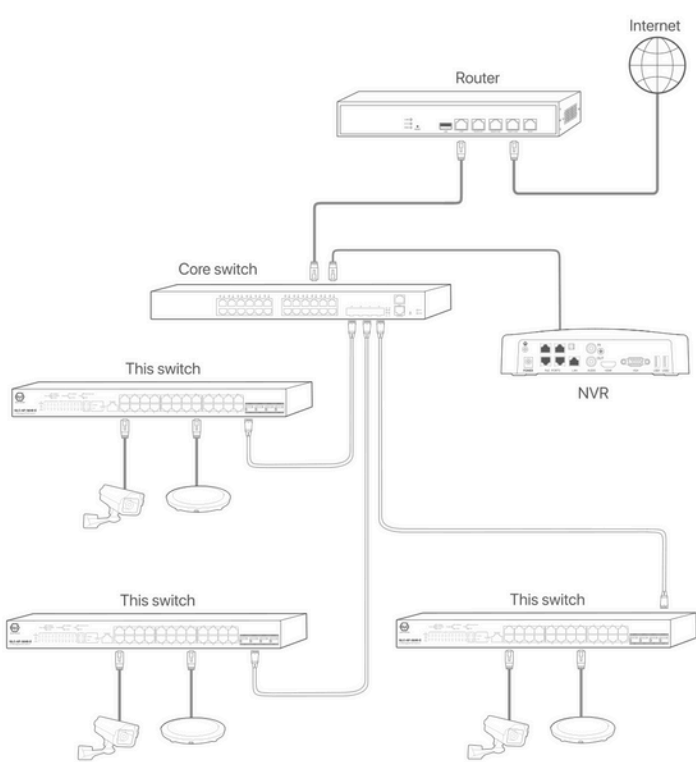


## 1. LED indicators & button

| LED Indicator/Button | Description   |
|----------------------|---|
| PoE-Max              | <b>Solid on:</b> The total output power of the switch reaches the maximum value.<br><b>Off:</b> The total output power of the switch does not reach the maximum value.  |
| SYS                  | <b>Blinking:</b> The system works properly.<br><b>Solid on:</b> The system is not working properly.<br><b>Off:</b> The system is starting up or not working properly.   |
| Power                | <b>Solid on:</b> The switch is powered on properly.<br><b>Off:</b> The switch is not powered on, or not powered on properly.  |
| Link/Act or PoE      | Link/Act and PoE multipurpose LED indicator. It indicates the connection status or PoE power supply status of RJ45 ports based on the converted status of the LED Mode button.<br>- When the Link/Act LED indicator of LED Mode is solid on, the descriptions of the Link/Act or PoE LED indicators are shown as follows:<br>• <b>Solid on:</b> The corresponding port is connected to a network device, but no data is being transmitted over the port.<br>• <b>Blinking:</b> Data is being transmitted over the corresponding port.<br>• <b>Off:</b> The corresponding port is not connected or is not connected properly.<br>Green light indicates that the negotiation rate of the corresponding port is 1000 Mbps, and orange light indicates a rate of 10 Mbps or 100 Mbps.<br>- When the PoE LED indicator of LED Mode is solid on, the descriptions of the Link/Act or PoE LED indicators are shown as follows:<br>• <b>Solid orange:</b> The corresponding port supplies PoE power to a device properly.<br>• <b>Blinking orange:</b> The corresponding port is not supplying PoE power to a device properly.<br>• <b>Off:</b> The corresponding port does not supply PoE power. |
| Link/Act             | <b>Solid on:</b> The corresponding port is connected, but no data is being transmitted over the port.<br><b>Blinking:</b> Data is being transmitted over the corresponding port.<br><b>Off:</b> The corresponding port is not connected or is not connected properly.   |
| LED/RESET            | This multipurpose button is for both LED indicator converting button and reset button.<br>- Press the LED/RESET button to convert the mode of the Link/Act or PoE LED indicator.<br>• When the Link/Act LED indicator of LED/RESET is solid on, the Link/Act or PoE LED indicator is in the Link/Act mode.<br>• When PoE LED indicator of LED/RESET is solid on, the Link/Act or PoE LED indicator is in the PoE mode.<br>- When the Power LED indicator is solid on and the SYS LED indicator is blinking, hold down the LED Mode button for about 10 seconds, and release it when all LED indicators light up. The switch is restored to factory settings when the Power LED indicator is solid on and the SYS LED indicator blinks again.  |

## 3. Typical network topology

- Tips:**
- The SFP ports on the switch are an independent SFP port.
  - The switch supports auto MDI/MDIX. You can connect the switch to Ethernet devices by using either a straight-through cable or a crossover cable.



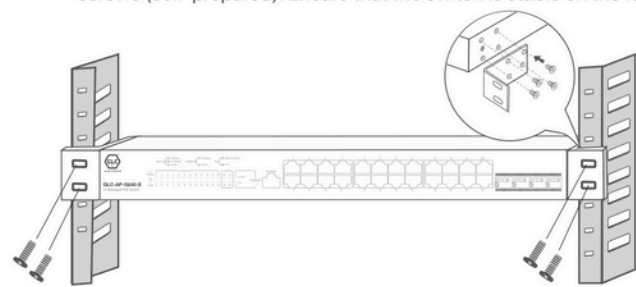
## 2. Install the device

### Preparations

- Rack mounting: ESD bracelet or gloves, screwdriver, 4 screws (suitable for securing the switch to the rack)
- Desktop mounting: ESD bracelet or gloves
- Wall mounting: ESD bracelet or gloves, screwdriver, spirit level, marker, hammer drill, rubber hammer, ladder, 4 screws (self-prepared, thread diameter: 5 mm, length: 25 mm; head diameter: 10 mm), 4 expansion bolts (self-prepared, length: 40 mm).

### Rack mounting (to a standard 19-inch rack)

- Step 1 Ensure that the rack is stable, level and properly grounded.
- Step 2 Fix the two L-shaped brackets to both sides of the switch with the included screws.
- Step 3 Choose a proper height and fix the L-shaped brackets to the rack with screws (self-prepared). Ensure that the switch is stable on the rack.



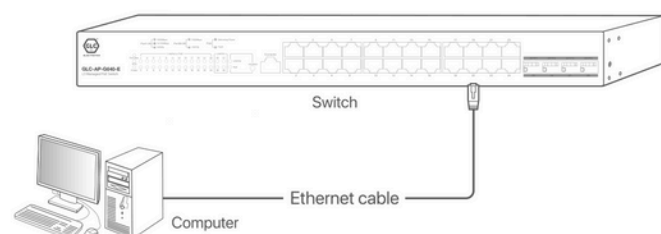
### Desktop mounting

Paste the four footpads to the four recesses on the bottom of the switch. Then horizontally place the switch right-side up on a big enough, clean, stable and flat desktop.



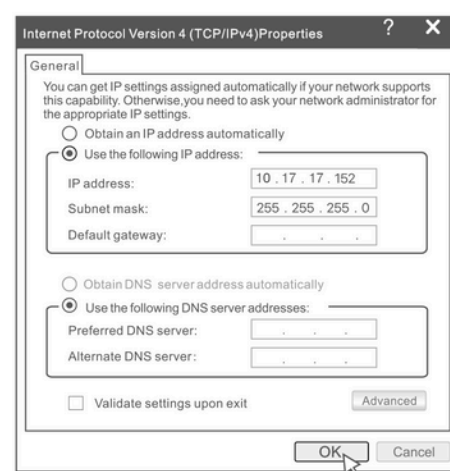
## 4. Log in to the web UI of the device

**Step 1** Connect the computer to an RJ45 port of the switch using an Ethernet cable.



**Step 2** Set the IP address of the computer to an unused one belonging to the same network segment with the switch.

For example, the default IP address of the switch is 10.17.17.168, set the IP address of the computer to 10.17.17.X (X ranges from 2 to 254 excluding 168 and is not be occupied) and subnet mask to 255.255.255.0.



**Step 3** Launch a web browser (example: Chrome) on the computer, input the management IP address of the switch (default: 10.16.16.168) in the address bar, and press **Enter** on the keyboard.



**Step 4** Enter the login user name and password (both are **admin** by default), and click **Login**.



- Tips:**
- If the login window does not appear, refer to **Q1** in **FAQ**.

After successfully logging in to the web UI of the switch, you can configure the switch.

## FAQ

### Q1. I cannot log in to the web UI of the switch. What should I do?

- A1. Try the following solutions:
- Ensure that the switch is powered on properly.
  - Ensure that the computer is connected to the switch properly.
  - Ensure that the IP address of the computer is set to 10.16.16.X (X ranges from 2 to 254 excluding 168 and is not be occupied).
  - Clear the cache of the web browser or try another web browser.
  - Disable the firewall of the computer, or try another computer.
  - Ensure that only one device with the IP address 10.16.16.168 exists in the local network.
  - If the problem persists, refer to **Q2** to reset the switch and try again.

### Q2. How to reset the switch?

A2. When the Power LED indicator is solid on and the SYS LED indicator is blinking, hold down the LED/RESET button for about 10 seconds, and release it when all LED indicators light up. The switch is restored to factory settings when the SYS LED indicator blinks again.

### Q3. How to deal with power system malfunctions?

A3. You can determine whether the power system malfunctions by observing the Power LED indicator on the front panel of the switch. When the power system works properly, the Power LED indicator is solid on. If the Power LED indicator does not light up, perform the following operations:

- Ensure that the switch is properly connected to a power source using the included power cord.
- Ensure that the input voltage matches the value required by the switch.

### Q4. What are the PoE power supply parameters of the device?

A4. See the following table:

|                                       |  |
|---------------------------------------|--|
| PoE standards                         | IEEE 802.3af, IEEE 802.3at                                     |
| PoE power cable core                  | 8 cores, voltage of cores 1,2,4,5 is +, and cores 3,6,7,8 is - |
| PoE port                              | 1 - 24   |
| Maximum output power of a single port | 30 W   |
| Maximum output power of the switch    | 370W   |

### Q5. I forgot the login user name and password when logging in to the web UI. What should I do?

A5. Try entering the default login user name and password (both are **admin**). If the problem persists, refer to **Q2** to reset the switch and try again.

### Q6. How to connect to the switch through the Console port?

- A6. Follow the procedures below:
1. Use the included console cable to connect a computer to the Console port of the switch.
  2. Run the connection software of console port on the computer. Putty is taken as an example. Set the **Connection type** to **Serial**, **Speed** to **115200**, and click **Open** on the lower right corner.



3. Double press **Enter** on your keyboard, and enter the user name and password (both are **admin** by default) of the switch in the appeared window as shown below.

