

## FASTCABLING 4 port|65W

# FASTCABLING PoE Passthrough Switch 4 Port (65W) User Manual

Model: 4 port|65W

## 1. INTRODUCTION

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This manual provides detailed instructions for the installation, operation, and maintenance of your FASTCABLING 4-Port PoE Passthrough Switch. This device is designed to expand your existing network infrastructure by providing additional Power over Ethernet (PoE) ports without requiring a separate AC power adapter. It supports IEEE802.3at/bt standards, offering a 65 Watt power budget for connected devices.



Image: FASTCABLING PoE Passthrough Switch with its retail packaging.

## Key Features:

- 65 Watt power budget with PoE++ passthrough capability.
- Expands existing network to connect up to 4 additional IP devices (both PoE and non-PoE compatible).
- No additional AC adapter required; powered by an existing PoE switch or injector.
- Managed switch features including VLAN, QoS, MAC address management, and static routing for enhanced security and convenience.
- Compact, fanless design for flexible placement and silent operation, avoiding overheating.
- Supports PoE and PoE+ for various applications such as IP cameras, VoIP phones, and Wireless Access Points (WAPs).

## 2. SAFETY INFORMATION

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Please read and follow these safety guidelines to prevent damage to the device or injury to yourself.

- Ensure proper grounding of the device to prevent electrical hazards.
- Do not expose the switch to water or excessive humidity.
- Avoid placing the device near heat sources or in direct sunlight.
- Use only compatible Ethernet cables (Cat5e/Cat6 or higher) for optimal performance and safety.
- Do not attempt to open or repair the device yourself. Refer all servicing to qualified personnel.

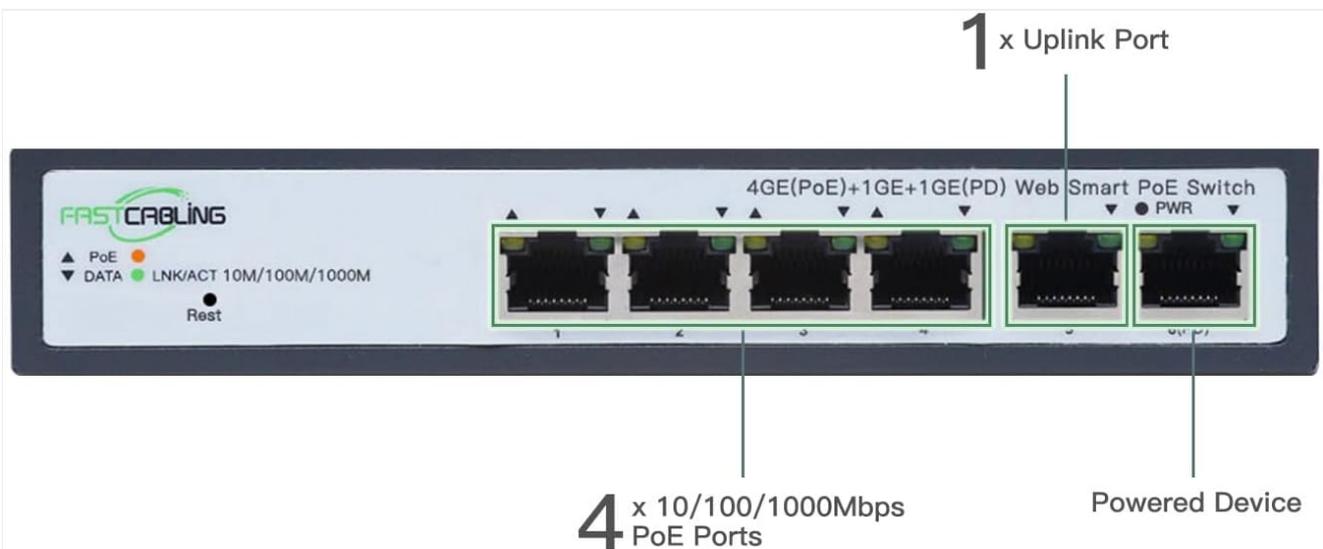
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Image: Illustration of the grounding terminal on the switch, indicating the importance of linking ground for safety.

### 3. PRODUCT OVERVIEW

The FASTCABLING PoE Passthrough Switch features multiple ports for network connectivity and power delivery.



**Each port can be the input port  
if only data transmission is required**

Image: Front panel view of the switch, highlighting 4 PoE ports and 1 Uplink/PD port.

#### Port Description:

- **PoE Ports (1-4):** Four 10/100/1000Mbps Ethernet ports that provide both data and Power over Ethernet (PoE) to connected devices.
- **Uplink/PD Port (5/6):** This port serves as the Power Device (PD) input, receiving both data and power from a PoE injector or PoE switch. It also functions as an uplink port for data transmission.

#### LED Indicators:

- **PoE LED:** Indicates PoE status for the respective port.
- **DATA LED (LNK/ACT):** Indicates network link status and data activity for the respective port.

- **PWR LED:** Indicates the overall power status of the switch.

## 4. SETUP AND INSTALLATION

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Follow these steps to set up your PoE Passthrough Switch.

1. **Connect Power Input:** Connect an Ethernet cable from a PoE injector or a PoE switch (supporting IEEE802.3at/bt) to the Uplink/PD port (Port 5/6) on the FASTCABLING switch. This port will receive both data and power, eliminating the need for an external AC adapter.



Image: Diagram illustrating the switch being powered by a PoE injector, eliminating the need for an AC adapter.

2. **Connect Network Devices:** Connect your IP devices (e.g., IP cameras, VoIP phones, WAPs) to the PoE Ports (1-4) using standard Ethernet cables. The switch will provide both data connectivity and power to these devices. Non-PoE devices can also be connected to these ports for data only.

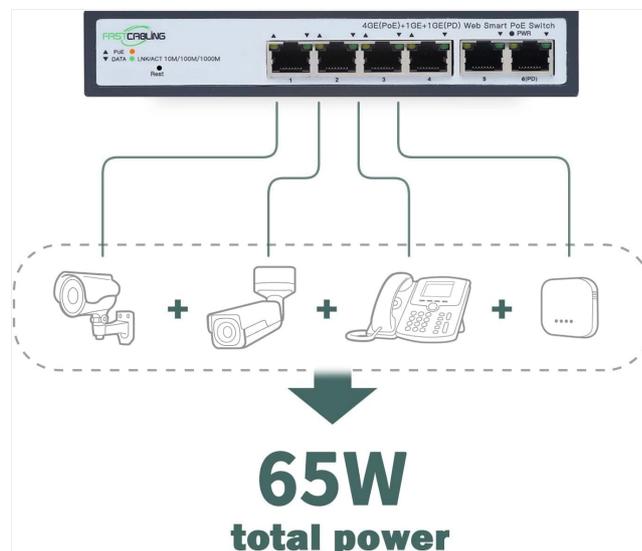


Image: Illustration of various IP devices (cameras, phones) connected to the switch, utilizing its 65W total power budget.

3. **Verify Connections:** Check the LED indicators on the front panel. The PWR LED should be lit, and the LNK/ACT LEDs for connected ports should indicate active links and data transmission.
4. **Mounting (Optional):** The compact size allows for flexible placement. While some units may support DIN rail mounting, this specific model features slotted holes on the back for screw-head mounting on a wall or backplate. Ensure secure mounting in a well-ventilated area.

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Image: Diagram illustrating how the PoE Powered Switch expands 4 network ports to connect IP devices, and how multiple switches can be applied for further expansion.

## 5. OPERATING INSTRUCTIONS

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Once installed, the FASTCABLING PoE Passthrough Switch operates automatically. As a managed switch, it offers advanced configuration options for network optimization.

### Basic Operation:

- The switch automatically detects and provides power to connected PoE-compatible devices.
- Data transmission occurs at speeds up to 1000Mbps (Gigabit Ethernet) for all ports.
- The fanless design ensures silent operation, suitable for various environments.

### Managed Features:

This switch includes managed features accessible via a web interface (refer to the separate management guide for detailed instructions on accessing and configuring these features).

- **VLAN (Virtual Local Area Network):** Segment your network to improve security and performance by isolating traffic between different groups of devices.
- **QoS (Quality of Service):** Prioritize network traffic for critical applications (e.g., VoIP, video streaming) to ensure consistent performance.
- **MAC Address Management:** Control network access based on MAC addresses for enhanced security.
- **Static Routing:** Configure fixed routes for network traffic, useful in complex network topologies.

## 6. MAINTENANCE

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Regular maintenance helps ensure the longevity and optimal performance of your switch.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the switch. Do not use liquid or aerosol cleaners.
- **Ventilation:** Ensure that the ventilation holes on the sides of the switch are not obstructed to prevent overheating.
- **Firmware Updates:** Periodically check the FASTCABLING official website for any available firmware updates. Updating firmware can improve performance, add new features, or fix bugs.
- **Cable Management:** Keep network cables organized and free from kinks or excessive bends to maintain signal integrity.

## 7. TROUBLESHOOTING

If you encounter issues with your FASTCABLING PoE Passthrough Switch, refer to the following common troubleshooting steps.

- **No Power (PWR LED Off):**
  - Ensure the upstream PoE injector or switch is powered on and functioning correctly.
  - Verify the Ethernet cable connecting the upstream PoE source to the switch's Uplink/PD port is securely connected and not damaged.
  - Confirm the upstream PoE source supports IEEE802.3at/bt and provides sufficient power.
- **Device Not Receiving Power (PoE LED Off):**
  - Check if the connected device is PoE-compatible.
  - Ensure the Ethernet cable between the switch and the device is securely connected and functional.
  - Verify the total power consumption of all connected PoE devices does not exceed the switch's 65W power budget.
- **No Network Connectivity (LNK/ACT LED Off or Flashing Incorrectly):**
  - Check the Ethernet cables for secure connections and damage.
  - Ensure the connected device is powered on and its network interface is active.
  - If using managed features, verify VLAN or other configurations are not inadvertently blocking traffic.
- **DHCP Issues:**
  - If experiencing issues with DHCP, consider assigning static IP addresses to devices or consult your network administrator for DHCP server configuration.

If problems persist, contact FASTCABLING customer support for further assistance.

## 8. SPECIFICATIONS

Feature	Specification
Brand	FASTCABLING
Model	4 port 65W
Number of Ports	4 (PoE) + 1 (Uplink/PD)
Interface Type	PoE (Power over Ethernet)
Maximum Power Budget	65 Watts (PoE++ Passthrough)
PoE Standards	IEEE802.3at/bt
Switching Capacity	10 Gbps
Networking Interfaces	10/100/1000 Mbps
Compatible Devices	IP Cameras, VoIP Phones, WAPs, etc.
Case Material	Metal
Color	Grey
Product Dimensions	6.61 x 3.66 x 1.26 inches (168 x 93 x 32 mm)

Feature	Specification
Item Weight	1.27 pounds
Upper Temperature Rating	70 Degrees Celsius

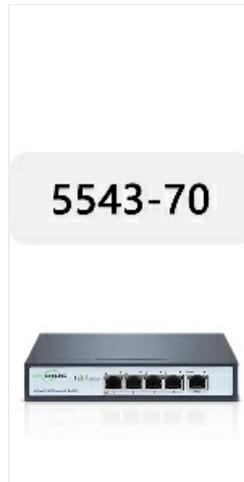


Image: Technical drawing with dimensions of the FASTCABLING PoE Passthrough Switch.

## 9. WARRANTY AND SUPPORT

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FASTCABLING products are designed for reliability and performance. For warranty information and technical support, please refer to the official FASTCABLING website or contact their customer service.

- **Online Support:** Visit the [FASTCABLING Store on Amazon](#) for product information and support resources.
- **Contact Customer Service:** For specific inquiries or troubleshooting assistance, please reach out to FASTCABLING customer support through their official channels.