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## TP-Link Festa FS308G

# TP-Link Festa FS308G 8-Port Gigabit Smart Managed Switch User Manual

## 1. INTRODUCTION

The TP-Link Festa FS308G is an 8-port Gigabit Smart Managed Switch designed for small businesses, home offices, and advanced consumers. It offers flexible full Gigabit port configuration for high-speed and reliable network connections.

This switch integrates with the Festa Self-Organizing Network platform, providing free centralized cloud management via the Festa app or web interface. It supports features like Zero-Touch Provisioning (ZTP) and Self-Organizing Network (SON) for simplified setup and management.

Key features include Static Routing, VLAN, ACL, and IGMP Snooping for enhanced network control and security. The fanless design ensures silent operation, and its durable metal casing allows for versatile desktop or wall mounting.

**Important Note: TP-Link Festa Devices do not work with TP-Link Omada Controllers. Festa Devices require Festa Cloud for management. Standalone mode is not applicable for full feature utilization.**



**An Easy-to-Use Smart Managed Switch, No IT Required**

Festa FS308G

- 8× Gigabit RJ45 Ports
- Optional PoE Input Port
- Free Centralized Management Via Cloud\*
- Festa App for Easy Setup and Management
- Zero-Touch Provisioning
- Fanless Design for Silent Operation
- Static Routing
- Traffic Separation (VLAN)

Overview of the TP-Link Festa FS308G's key features, including 8 Gigabit RJ45 ports, optional PoE input, free centralized cloud management, Festa App for setup, Zero-Touch Provisioning, fanless design, static routing, and traffic separation.

## 2. PACKAGE CONTENTS

Verify that your package contains the following items:

- Festa FS308G 8-Port Gigabit Smart Managed Switch
- Power Adapter
- Installation Guide
- Silicon Feet

### 3. PRODUCT OVERVIEW

The Festa FS308G features 8 Gigabit RJ45 ports, a power input, and a reset button. It is designed for efficient and quiet operation.



This image displays the front and rear panels of the TP-Link Festa FS308G switch, highlighting the 8 Gigabit RJ45 ports, the 12V DC power input, and the PoE PD port (Port 8) which can receive power from an external PoE source. The dimensions are also shown: 8.2 inches (209 mm) length, 4.9 inches (126 mm) width, and 1.0 inch (26 mm) height. A reset button is located on the front panel.

### 4. HARDWARE INSTALLATION

Follow these steps to install your TP-Link Festa FS308G switch.

#### 4.1 Connect Power

Connect the provided power adapter to the switch's 12V DC power input. Alternatively, Port 8 can function as a PoE PD port, allowing the switch to be powered by an external 802.3at/af PoE source.

#### 4.2 Connect Network Devices

Use Ethernet cables to connect your network devices (computers, servers, access points, etc.) to the RJ45 ports (1-8) on the switch.

#### 4.3 Mounting Options

The switch can be placed on a desktop or mounted on a wall using the provided silicon feet and mounting holes.

**Business-Level Features Ensure Experience Beyond Expectation**

tp-link  
Festa FS308G  
8-Port Gigabit Smart Switch

PWR SYS 1000Mbps 10/100Mbps 1 2 3 4 5 6 7 8 PoE

Department A VLAN

Department B VLAN

Department C VLAN

- **VLAN for Security**  
Helps to create a network with higher security and better overall performance by dividing the network into smaller groups
- **Link Aggregation for Double Speeds**
  - IGMP Snooping
  - Access Control List

This image demonstrates the flexible mounting options for the TP-Link Festa FS308G switch, showing it placed on a desktop and securely mounted on a wall, illustrating its compact design suitable for various environments.

## 5. CONFIGURATION AND MANAGEMENT

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The Festa FS308G is managed through the TP-Link Festa cloud platform, accessible via the Festa app or a web browser.

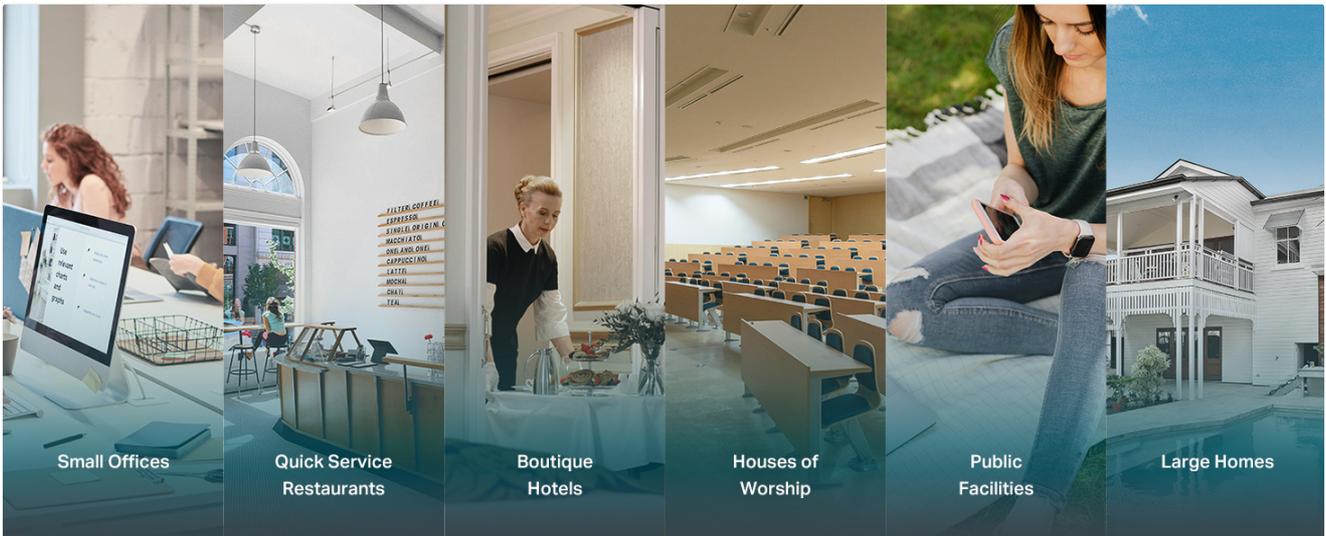
## 5.1 Festa App Setup

Download the Festa app from the App Store or Google Play. The app facilitates easy setup, Zero-Touch Provisioning (ZTP), and on-the-go network management.

Download the Festa App: <https://download-app.tp-link.com?app=festa>

## 5.2 Web Interface Management

For comprehensive onsite or remote management, access the Festa network via a web browser. This interface provides advanced features such as Topology View, VLAN Settings, Rate Limit, and more.



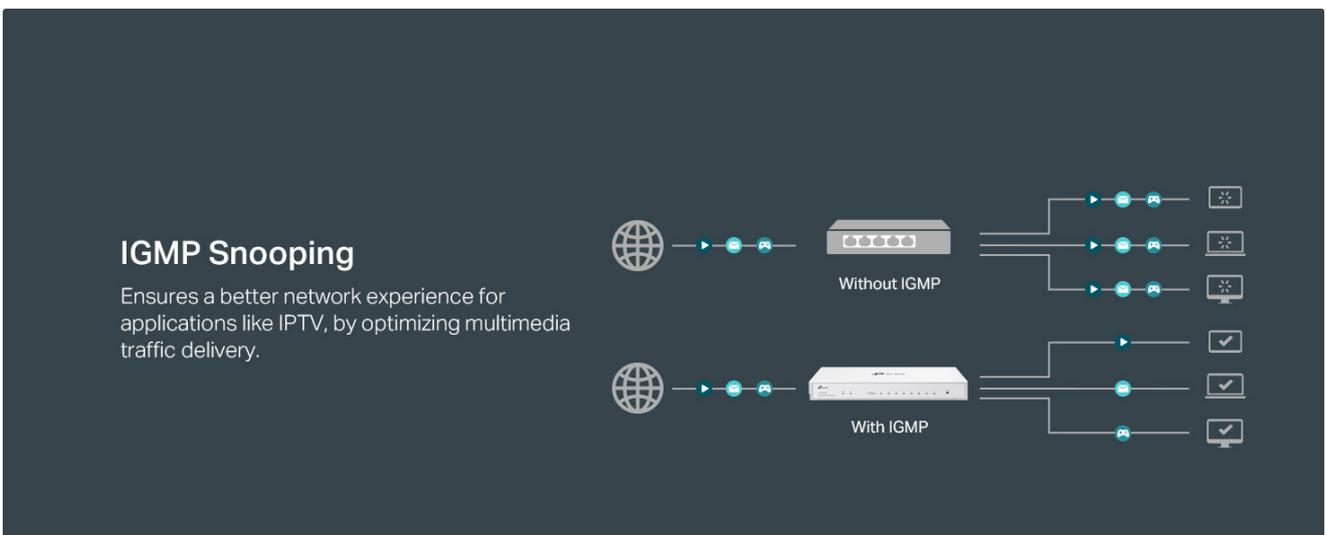
This image illustrates the Festa app interface on a mobile device and the web management portal on a laptop, demonstrating the centralized cloud management capabilities. QR codes for downloading the Festa app from the App Store and Google Play are also visible.

## 6. ADVANCED FEATURES

The Festa FS308G offers several advanced features to optimize network performance and security.

### 6.1 VLAN for Security

VLAN (Virtual Local Area Network) helps segment your network into smaller, isolated groups, enhancing security and improving overall performance by reducing broadcast traffic.



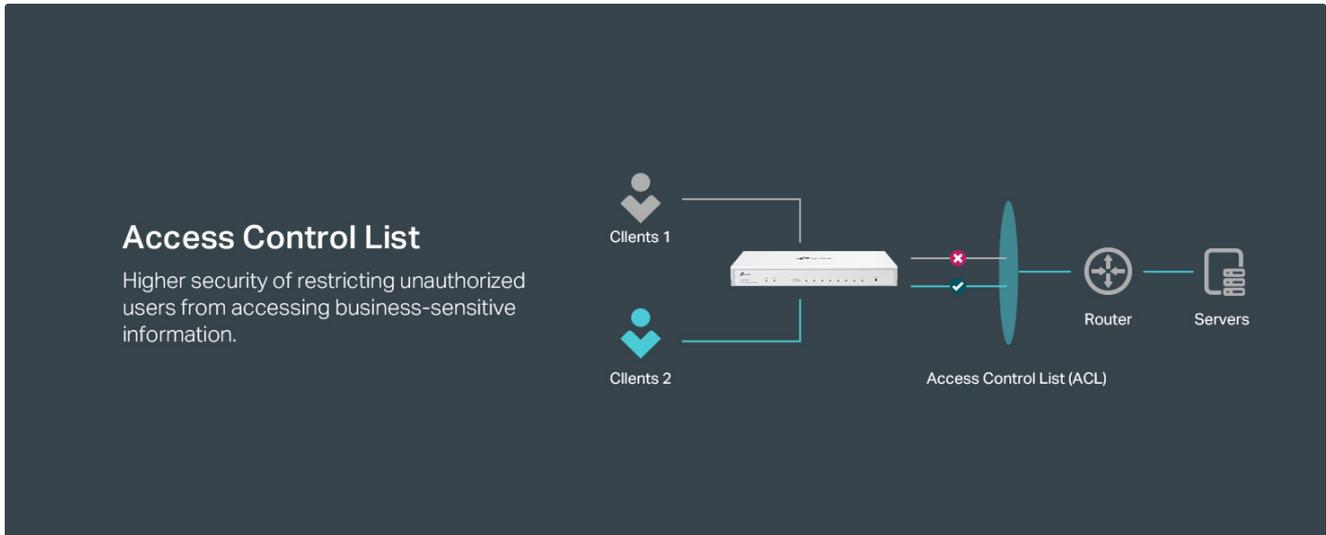
This diagram shows how VLANs can segment a network, illustrating three separate departments (A, B, C) each with its own VLAN, connected to the switch for improved security and traffic management.

## 6.2 Static Routing

Static Routing allows for efficient routing of internal traffic, optimizing the use of network resources.

## 6.3 Link Aggregation (LAG)

Combine two Gigabit links into a single logical link to achieve up to 2Gbps bandwidth, increasing reliability and availability.



This diagram illustrates Link Aggregation, where two physical Gigabit Ethernet connections from the switch are combined into a single logical link to a server, effectively doubling the bandwidth and providing redundancy.

## 6.4 IGMP Snooping

IGMP Snooping optimizes multimedia traffic delivery for applications like IPTV, ensuring a better network experience by forwarding multicast traffic only to necessary ports.

**Festa App and Web for Easy Setup and Management**

Convenient setup and on-the-go network management via the Festa app

- Zero-Touch Provisioning
- Topology View
- Portal Authentication (Password & Voucher)
- Network Tools
- Guest Network
- Unlimited Management Scale
- VLAN Settings
- Rate Limit
- Fast Roaming
- Mesh

Full onsite/remote management of your Festa network via a web interface

- Unlimited Management Scale
- Topology and Heat Map View
- Portal Authentication (Password & Voucher & Form Auth)
- Batch Configuration
- Network Security
- VPN

Scan for Festa App

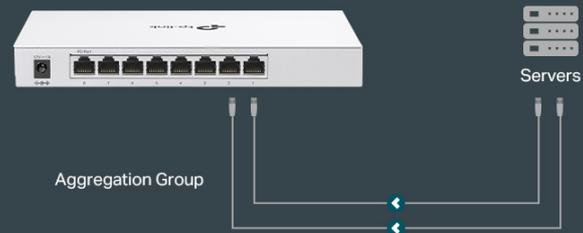
This diagram compares network traffic flow with and without IGMP Snooping. With IGMP Snooping, multicast traffic is intelligently directed only to devices that have requested it, preventing unnecessary network congestion.

## 6.5 Access Control List (ACL)

ACL provides higher security by restricting unauthorized users from accessing sensitive network information.

## Link Aggregation for Doubled Speeds

Combine two Gigabit links into a single logical link to get up to 2Gbps link, along with increased reliability and availability.



This diagram illustrates the function of an Access Control List (ACL), showing how it filters traffic between clients and a router/servers, allowing or denying access based on defined rules to enhance network security.

## 7. MAINTENANCE

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The TP-Link Festa FS308G is designed for minimal maintenance.

### 7.1 Fanless Design

The fanless operation ensures silent performance and reduces dust accumulation, contributing to a longer lifespan.

### 7.2 Durable Metal Casing

The sturdy metal casing provides excellent heat dissipation and protection for internal components.

### 7.3 General Care

Keep the device in a well-ventilated area, away from direct sunlight and sources of excessive heat or moisture. Clean the exterior with a soft, dry cloth as needed.

## 8. TROUBLESHOOTING

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### 8.1 No Power Indicator

- Ensure the power adapter is securely connected to the switch and a working power outlet.
- If using PoE PD, verify the PoE source is active and connected to Port 8.

### 8.2 No Link/Activity on a Port

- Check the Ethernet cable connections between the switch and the connected device.
- Ensure the cable is not damaged and is properly seated.
- Verify the connected device is powered on and functioning correctly.

### 8.3 Cannot Access Festa Cloud Management

- Ensure the switch has an active internet connection.
- Verify that the Festa app or web interface is using the correct login credentials.
- Check for any network firewalls that might be blocking access to the Festa cloud services.
- **Important: This device requires Festa Cloud for management and does not support standalone mode for full features. It is not compatible with TP-Link Omada Controllers.**

## 8.4 Resetting the Switch

To restore the switch to its factory default settings, press and hold the Reset button on the front panel for approximately 5-10 seconds until the LED indicators behave as described in the full product documentation.

## 9. SPECIFICATIONS

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The following table outlines the technical specifications for the TP-Link Festa FS308G switch.

Feature	Specification
Model Number	Festa FS308G
Number of Ports	8
Interface Type	RJ45
Data Transfer Rate	1 Gigabits Per Second
Item Weight	0.95 Kilograms (2.08 pounds)
Case Material	Metal
Upper Temperature Rating	40 Degrees Celsius
Product Dimensions	8.23 x 4.96 x 1.02 inches
Color	White
Compatible Devices	Router
Included Components	Festa FS308G, Installation Guide, Power Adapter, Silicon Feet
UPC / GTIN	810142821384

## 10. WARRANTY AND SUPPORT

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The TP-Link Festa FS308G comes with an industry-leading 3-year warranty.

For technical assistance, please refer to the following contact information:

- **Phone:** (866) 225-8139
- **Product Support Website:** [myproducts.tp-link.com/us](https://myproducts.tp-link.com/us)
- **Email:** [support.USA@tp-link.com](mailto:support.USA@tp-link.com)

**Need help?**

**We are  
standing by.**

 (866) 225-8139

 [myproducts.tp-link.com/us](https://myproducts.tp-link.com/us)

 [support.USA@tp-link.com](mailto:support.USA@tp-link.com)

This image provides TP-Link's customer support contact details, including a phone number, a product support website, and an email address.