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› [TP-Link](#) /

› TP-Link Festa FR205 Multi-WAN Wired Router User Manual

## TP-Link Festa FR205

# TP-Link Festa FR205 Multi-WAN Wired Router User Manual

Model: FR205

## 1. PRODUCT OVERVIEW

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The TP-Link Festa FR205 is a powerful Multi-WAN Wired Router designed for small businesses, home offices, cafes, retail, and large homes. It integrates seamlessly into the Festa Self-Organizing Network (SON) platform, offering zero-touch provisioning, centralized cloud management, and intelligent monitoring for simplified network administration.


Key features include five Gigabit ports, support for up to three WAN Ethernet ports with load balancing, and a USB WAN port for mobile broadband backup. The FR205 also provides highly secure VPN capabilities, supporting various protocols like IPsec, OpenVPN, L2TP, and PPTP, making it ideal for secure internet browsing, inter-branch communication, and remote work.



Figure 1: Front view of the TP-Link Festa FR205 Multi-WAN Wired Router, showing LED indicators, USB port, WAN, WAN/LAN, and LAN ports, and reset button.

## A Networking Solution Built For Small Business, No IT Required

  
Free Centralized  
Management Via Cloud

  
Festa App for Easy  
Setup and Management

  
Zero-Touch Provisioning  
(ZTP)

  
Self-Organizing  
Network (SON)

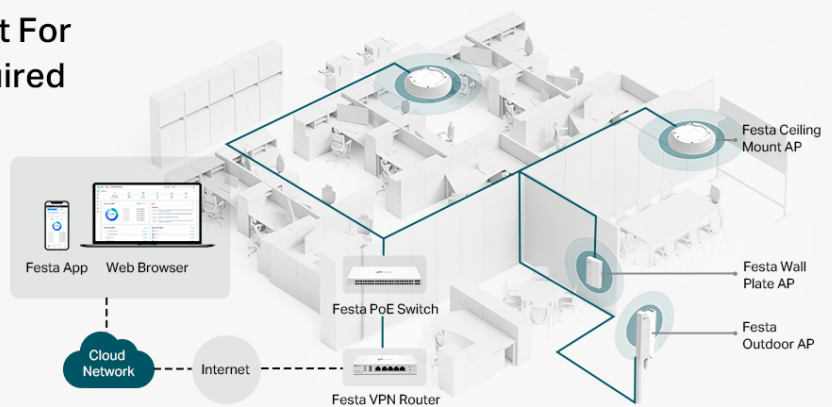


Figure 2: Diagram illustrating the Festa Self-Organizing Network (SON) ecosystem, integrating various network devices for simplified management.

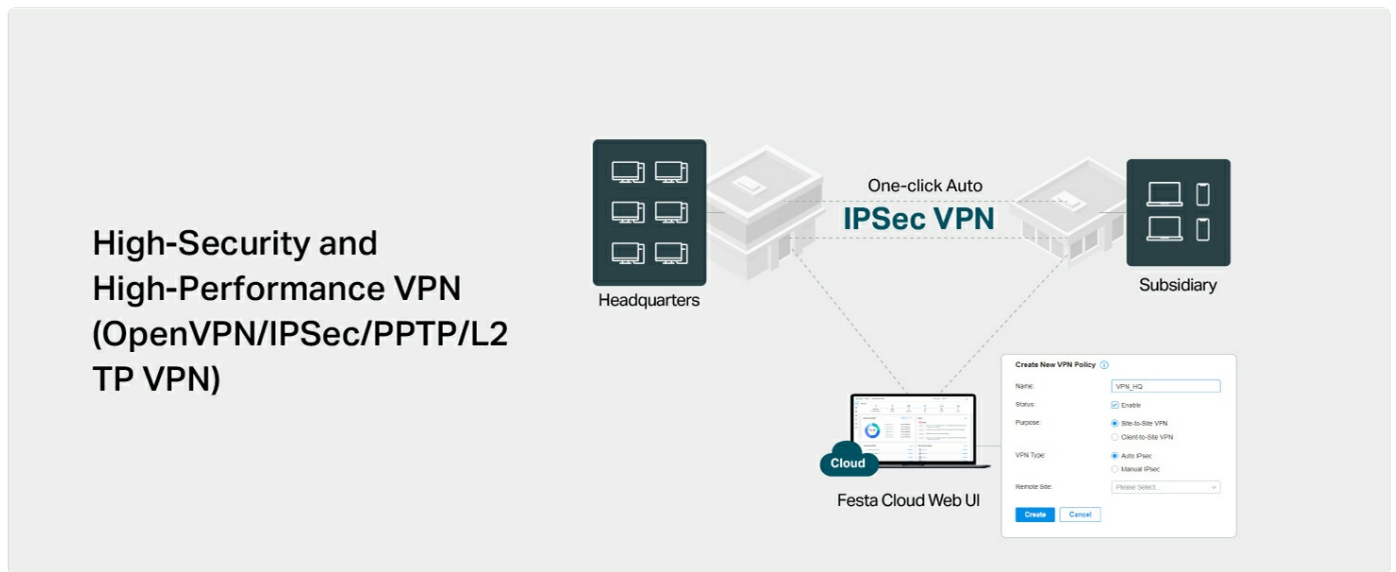


Figure 3: Examples of environments where the Festa FR205 router can be effectively deployed, including small offices, quick service restaurants, and large homes.

## 1.1. Key Features

- **Five Gigabit Ports:** Includes 1 Gigabit WAN Port, 2 Gigabit WAN/LAN Ports, and 2 Gigabit LAN Ports for high-speed wired connectivity.
- **Multi-WAN Load Balancing:** Optimizes multi-line bandwidth usage by distributing data streams across up to 3 WAN Ethernet ports.
- **USB WAN Port:** Supports mobile broadband via 4G/3G modem for WAN backup by connecting to the USB (2.0) port.
- **Festa Self-Organizing Network (SON):** Integrates network devices with consumer-inspired simplicity, offering Zero-Touch Provisioning and intelligent monitoring.
- **Free Cloud Centralized Management:** Remote cloud access via the Festa app or web for convenient and easy management without additional costs.
- **High-Performance VPN:** Supports up to 20x LAN-to-LAN IPsec, 50x OpenVPN, 16x L2TP, and 16x PPTP VPN connections for secure tunnels.
- **Easy Setup and Use:** Designed for straightforward installation and management, requiring no professional IT technician.
- **Durable Design:** Features a fanless, quiet, and durable metal casing suitable for various environments, with desktop/wall mounting options.

## 2. PACKAGE CONTENTS

Verify the contents of your package. If any items are missing or damaged, please contact your retailer or TP-Link support.

- Festa FR205 Router
- Power Adapter
- RJ-45 Ethernet Cable
- Quick Installation Guide
- Silicone Feet

## 3. HARDWARE OVERVIEW

Familiarize yourself with the ports, buttons, and LED indicators on your Festa FR205 router.

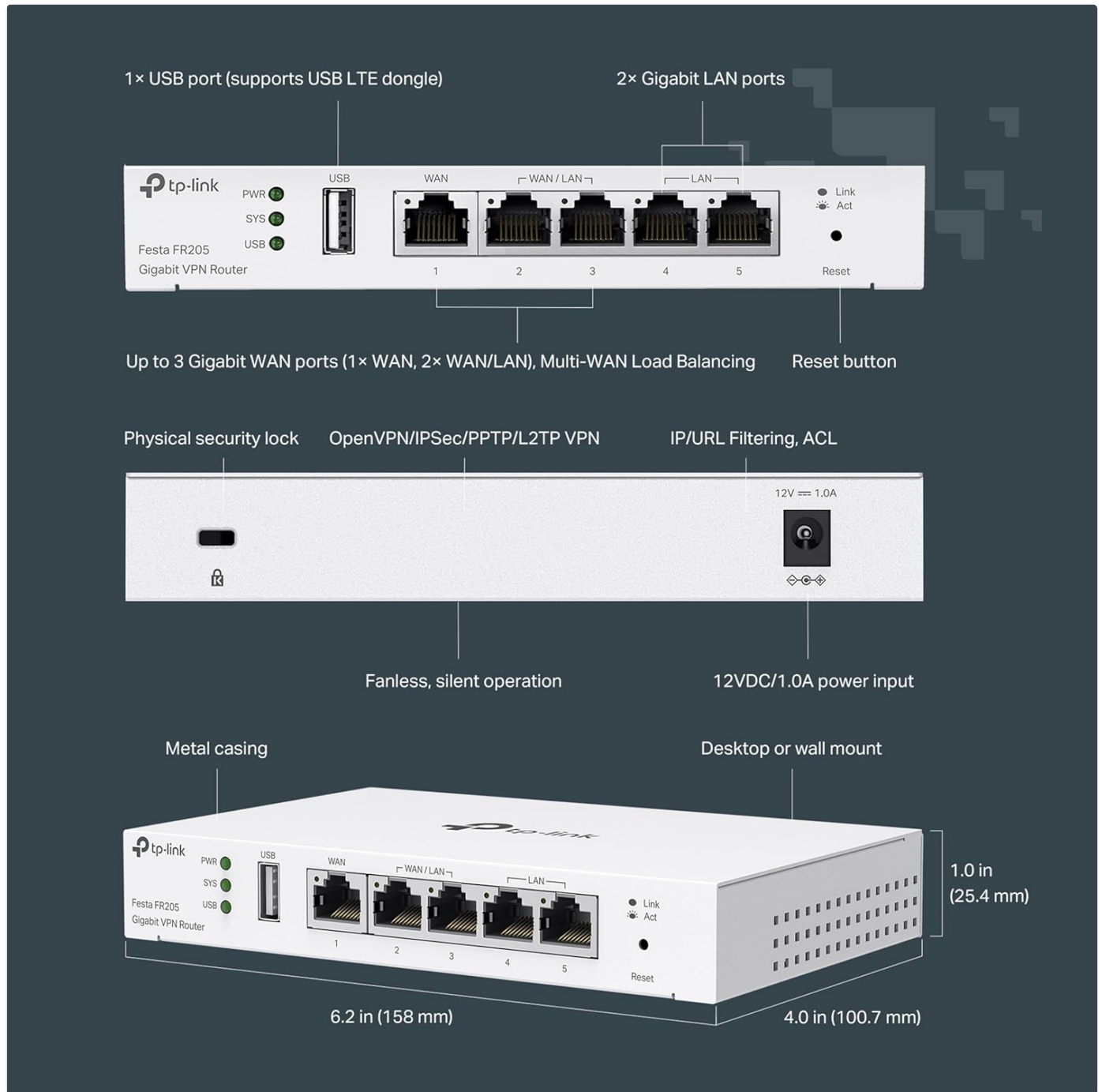


Figure 4: Detailed view of the Festa FR205 showing port labels, LED indicators, USB port, and physical dimensions.

### 3.1. Front Panel

**PWR LED:** Indicates power status. Solid green when powered on.

**SYS LED:** Indicates system status. Blinking green indicates normal operation.

**USB LED:** Indicates USB port status. Solid green when a USB device is connected and active.

**USB Port:** Connects to a 4G/3G USB modem for mobile broadband WAN backup.

**WAN Port (Port 1):** Connects to your primary internet source (e.g., modem).

**WAN/LAN Ports (Ports 2 & 3):** Can be configured as additional WAN ports for load balancing or as standard LAN ports.

**LAN Ports (Ports 4 & 5):** Connect to local network devices such as computers, switches, or access points.

**Link/Act LEDs:** Indicate connection status and activity for each Ethernet port. Solid green for a link, blinking green for activity.

**Reset Button:** Press and hold for approximately 5 seconds to restore the router to factory default settings.

## 3.2. Rear Panel

**Power Input:** Connect the provided 12V DC power adapter.

**Security Lock Slot:** Allows for physical security of the device using a Kensington security lock.

## 4. SETUP AND INSTALLATION

Follow these steps to set up your Festa FR205 router.

### 4.1. Hardware Connection

1. **Power Off:** Ensure all network devices, including your modem and computer, are powered off.
2. **Connect WAN:** Connect your modem's Ethernet port to the WAN port (Port 1) of the Festa FR205 using an Ethernet cable.
3. **Connect LAN Devices:** Connect your computers, switches, or other network devices to the LAN ports (Ports 2-5) of the Festa FR205.
4. **Power On:** Connect the power adapter to the router's power input and plug it into a power outlet. The PWR LED should light up.
5. **Verify LEDs:** Wait for the SYS LED to blink, indicating the router is operating normally. Check the Link/Act LEDs for connected Ethernet ports.

### 4.2. Initial Configuration

The Festa FR205 can be managed via the Festa App or a web browser.

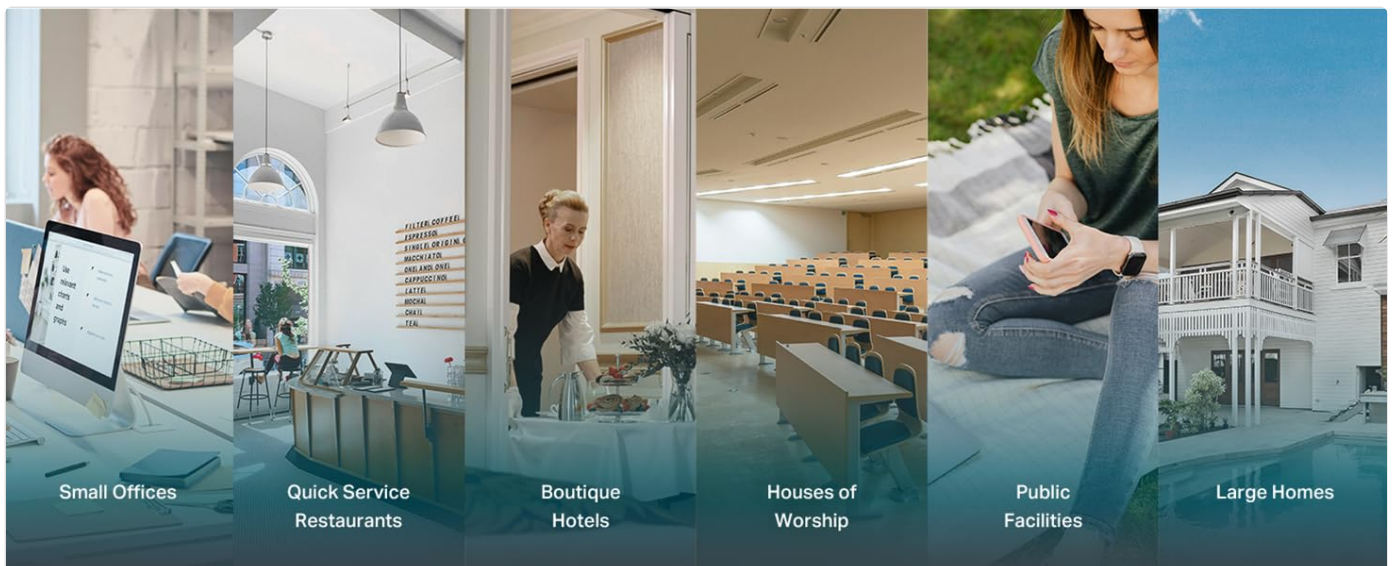


Figure 5: Overview of the Festa App and Web interface for convenient network setup and management.

### Using the Festa App:

For convenient setup and on-the-go network management, download the Festa App.

- Download the Festa App from your mobile device's app store or by scanning the QR code in the Quick Installation Guide.

- Create a TP-Link ID or log in with an existing one.
- Follow the in-app instructions to add your Festa FR205 router and configure your network.
- The app supports Zero-Touch Provisioning (ZTP) for simplified deployment.

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

## Using a Web Browser:

For full onsite/remote management, access the router's web interface.

- Ensure your computer is connected to a LAN port of the router.
- Open a web browser and enter the default IP address (usually 192.168.0.1 or 192.168.1.1) or [tplinkfesta.net](http://tplinkfesta.net) in the address bar.
- Log in using the default credentials (found on the label on the bottom of the router or in the Quick Installation Guide).
- Follow the on-screen wizard for initial setup, including setting up your internet connection and network settings.

## 5. OPERATING THE ROUTER

The Festa FR205 offers advanced features for robust network management.

### 5.1. Multi-WAN Configuration and Load Balancing

The router supports up to three WAN connections (Port 1, and Ports 2 & 3 configurable as WAN/LAN) to enhance internet reliability and bandwidth.

**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

Figure 6: Diagram illustrating the flexible WAN port configuration and USB WAN for mobile broadband backup, highlighting load balancing capabilities.

Load balancing distributes data traffic across multiple WAN links, optimizing bandwidth utilization and providing redundancy in case one internet connection fails.

- Access the router's web interface or Festa App.
- Navigate to the WAN settings to configure additional WAN ports (Ports 2 and 3) as needed.
- Enable and configure load balancing policies to suit your network requirements.

### 5.2. USB WAN for Mobile Broadband

The USB 2.0 port allows you to connect a compatible 4G/3G USB modem, providing a mobile broadband connection for

WAN backup. This ensures continuous internet access even if your primary wired WAN connection goes down.

- Connect your 4G/3G USB modem to the USB port on the router.
- Configure the USB WAN settings via the Festa App or web interface.
- For a complete list of compatible 4G/3G modems, please visit the TP-Link website.

### 5.3. VPN Functionality

The Festa FR205 supports various VPN protocols to establish secure connections for remote access or site-to-site communication.

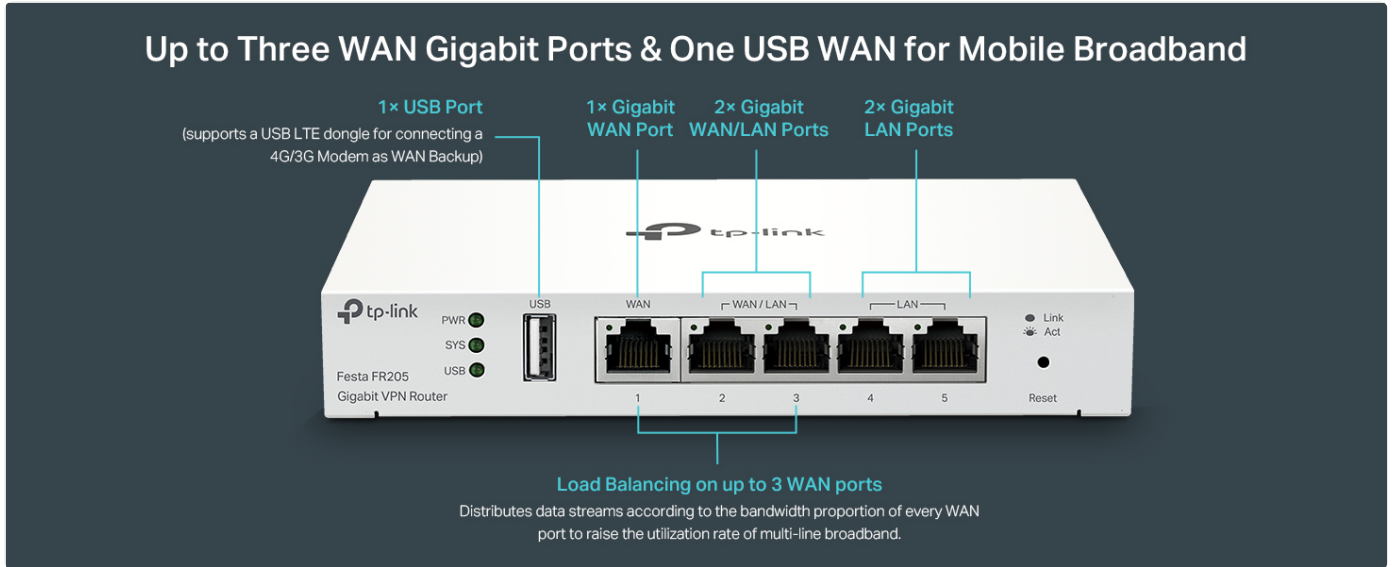


Figure 7: Illustration of secure VPN tunnel establishment between headquarters and a subsidiary using IPsec VPN.

- **IPsec VPN:** Supports up to 20 LAN-to-LAN IPsec connections.
- **OpenVPN:** Supports up to 50 OpenVPN connections.
- **L2TP VPN:** Supports up to 16 L2TP VPN connections.
- **PPTP VPN:** Supports up to 16 PPTP VPN connections.

Configure VPN settings through the router's web interface to create secure tunnels for safe internet browsing, communication between branches, or enabling remote work.

### 5.4. Content Filtering and Access Control

The router allows you to effortlessly set internet access rights and strategies via IP/URL Filtering and Access Control List (ACL).

## Easy to Block Unwanted Websites

Effortlessly set internet access rights and strategies via IP/URL Filtering and Access Control List (ACL)

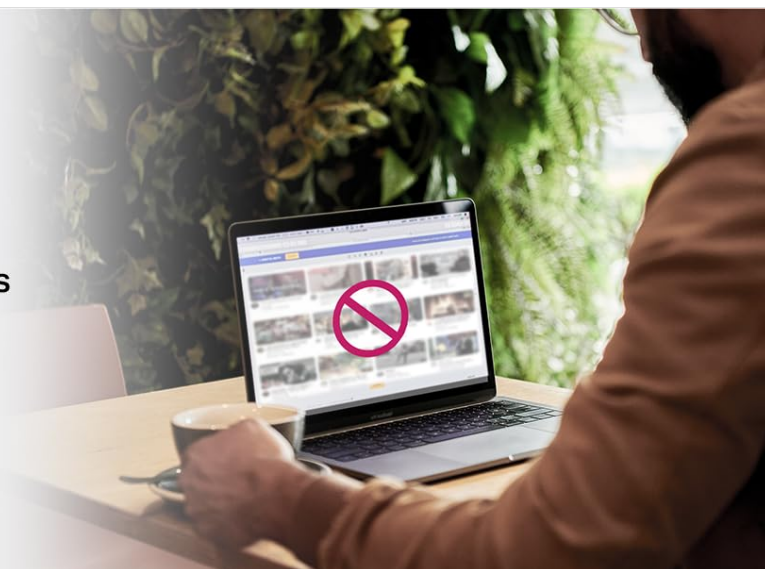


Figure 8: Visual representation of blocking unwanted websites using the router's filtering capabilities.

- Configure IP/URL filtering to block specific websites or categories of content.
- Set up Access Control Lists (ACLs) to define network access permissions for different users or devices.

## 6. MAINTENANCE

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Regular maintenance ensures optimal performance and security of your router.

- **Firmware Updates:** Periodically check the TP-Link website for the latest firmware updates. Updating firmware can improve performance, add new features, and fix security vulnerabilities.
- **Physical Care:** The Festa FR205 features a fanless design for quiet operation and a durable metal casing. Keep the router in a well-ventilated area and free from dust.
- **Backup Configuration:** Regularly back up your router's configuration settings. This allows for quick restoration in case of a factory reset or unexpected issues.

## 7. TROUBLESHOOTING

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This section provides solutions to common issues you might encounter.

- **No Internet Access:**
  - Check all cable connections (WAN, LAN) to ensure they are secure.
  - Verify that your modem is working correctly.
  - Reboot your modem and then your router.
  - Check WAN settings in the router's web interface or Festa App.
- **Cannot Access Management Interface:**
  - Ensure your device is connected to a LAN port of the router.
  - Verify that your computer's IP settings are set to obtain an IP address automatically (DHCP).
  - Try clearing your browser's cache or using a different browser.
  - Confirm the correct IP address or domain (e.g., `tplinkfesta.net`) is being used.
- **Festa FR205 and Omada Compatibility:**

Please note that TP-Link Festa Devices, including the FR205, **do not** work with TP-Link Omada Controllers. Festa

Devices require Festa Cloud for management. Standalone mode does not apply for full management features.

- **4G/3G Modem Compatibility:**

For a complete list of compatible 4G/3G modems, refer to the TP-Link website's compatibility list for the Festa FR205 model.

## 8. SPECIFICATIONS

Attribute	Value
Product Dimensions	17.01 x 10 x 1.73 inches
Item Weight	13.4 ounces
Model Number	Festa FR205
Brand	TP-Link
Model Name	Festa Gigabit VPN Router
Special Feature	Guest Mode, Internet Security, Remote Access
Frequency Band Class	Single-Band
Wireless Communication Standard	802.11a
Compatible Devices	Personal Computer
Recommended Uses For Product	Home, Business
Connectivity Technology	USB, Ethernet
Color	White
Manufacturer	TP-Link
Country of Origin	Vietnam

## 9. WARRANTY AND SUPPORT

The TP-Link Festa FR205 is backed by an industry-leading 3-year warranty.

- **Warranty:** Enjoy peace of mind with a 3-year warranty from the date of purchase.
- **Technical Support:** Free technical support is available from 6 AM to 6 PM PST, Monday to Friday.
- **Online Resources:** For additional support, FAQs, firmware downloads, and compatibility lists (e.g., for 4G/3G modems), please visit the official TP-Link website.

