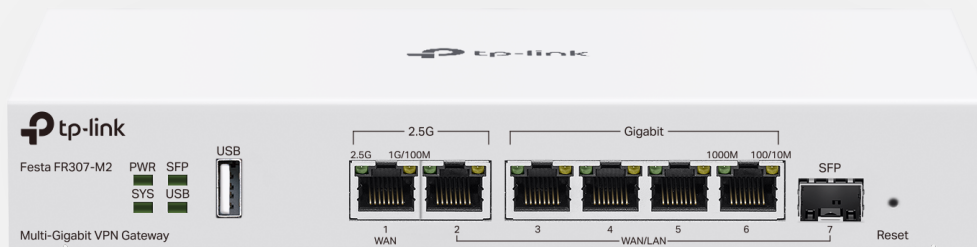


# Festa VPN Gateway | Datasheet

## Festa FR307-M2

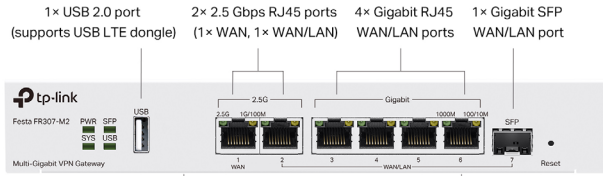
Multi-Gigabit VPN Gateway



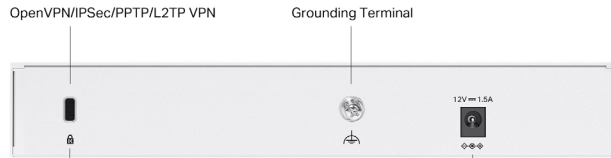
## Highlights

- **Free Cloud Centralized Management:** Accessible via the Festa app or the web<sup>†</sup>.
- **Easy Setup and Use:** No professional IT technician is required. Festa App, Self-Organizing Networking, and Zero-Touch Provisioning technology make it a breeze.
- **Complete Festa Ecosystem:** Business-class features with consumer-inspired simplicity. It's ideal for small businesses, home offices, cafes, retail, prosumers, advanced consumers, and large households.
- **2× 2.5G, 5× Gigabit Ports:** For high-speed Gigabit connectivity.
- **1× USB WAN Port:** Enables mobile broadband backup via a 4G/3G modem<sup>‡</sup>.
- **Load Balancing on Up to 6 WAN Ports:** Optimizes multi-line broadband utilization.
- **High-Security VPN Options:** Supports IPSec, PPTP, L2TP, and OpenVPN.
- **Business-Level Quality:** Features an elegant metal casing and a design suitable for desktop or wall mounting.

# Build Features



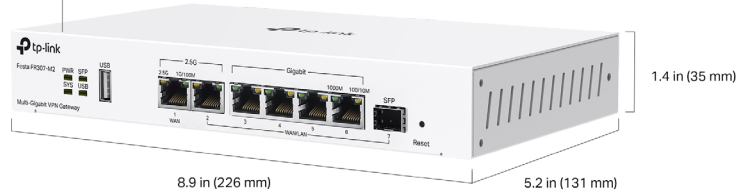
Load Balancing on up to 6 WAN ports (at least one port functions as LAN port)



Physical Security Lock

Power input

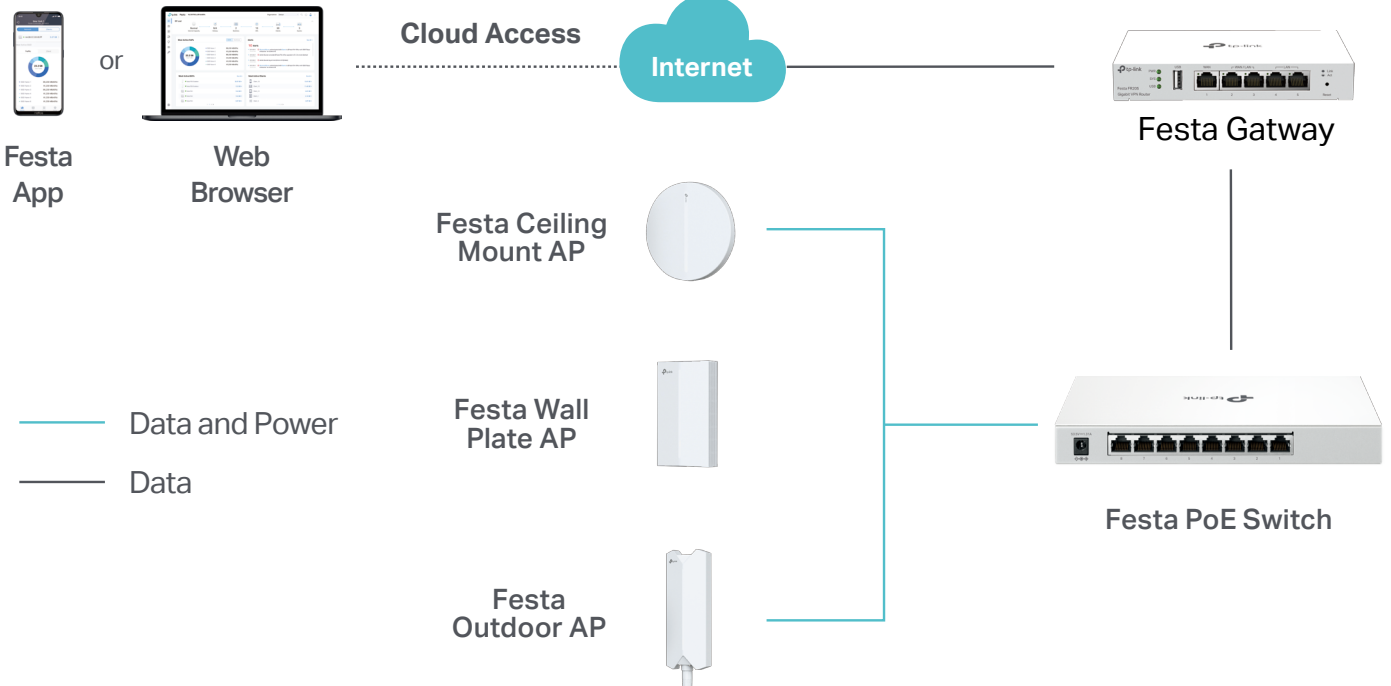
Wall mount or Desktop



# Festa Solution

Festa unifies APs, switches, and gateways for full cloud-based management, offering an easy, effective, and reliable business-level network controlled via app or web. Perfect for small businesses, home offices, and cafes.

## Easy Setup and Use    Free Cloud Centralized Management<sup>†</sup>    Easy Maintenance



<sup>†</sup>Festa currently offers free cloud access for centralized management and reserves the right to apply fees in the future.

# Specifications

Model		Festa FR307-M2
General	CPU	Dual-core ARMv8
	Interface	1× 2.5G RJ45 WAN Port, 1× 2.5G RJ45 WAN/LAN Port, 1× Gigabit SFP WAN/LAN Port, 4× Gigabit RJ45 WAN/LAN Ports
	USB	1 USB2.0 (Supports LTE backup with LTE dongle, and USB Storage) <sup>1</sup>
	Button	Reset button
	Power Supply	12V / 1.5A Adapter
	Flash	128 MB NAND
	DRAM	1 GB DDR4
	Surge Protection	4 kV surge protection
	Max Power Consumption	14.2 W (with USB2.0 connected) 7.1 W (without USB2.0 connected)
	Dimensions ( W x D x H )	8.9 × 5.2 × 1.4 in (226 × 131 × 35 mm)
	MTBF	1104942h@25°C ; 809329h@40°C
SDN Support	Cloud Controller	Automatic Device Discovery Intelligent Network Monitoring Abnormal Event Warnings
	Festa App	Unified Configuration Captive Portal Configuration
Performance <sup>2</sup>	Concurrent Session	500,000
	New Sessions /Second	6,000
	Static IP NAT Throughput (Upload / Download)	2365.17 Mbps / 2364.45 Mbps
	DHCP NAT Throughput (Upload / Download)	2364.45 Mbps / 2366.04 Mbps
	PPPoE NAT Throughput (Upload / Download)	2347.14 Mbps / 2348.29 Mbps
	L2TP NAT Throughput (Upload / Download)	1308.86 Mbps / 974.10 Mbps
	PPTP NAT Throughput (Upload / Download)	1236.27 Mbps / 1280.99 Mbps
	66 Byte Packet forwarding rate (Upload / Download)	1832.69 Mbps / 1741.84 Mbps
	1,518 Byte Packet forwarding rate (Upload / Download)	2461.18 Mbps / 2457.32 Mbps
	IPSec VPN Throughput	ESP-SHA1-AES256: 673.3 Mbps, ESP-SHA256-AES256: 650.2 Mbps ESP-SHA384-AES256: 629.3 Mbps, ESP-SHA512-AES256: 633.8 Mbps
	L2TP VPN Throughput	Unencrypted: 1243.7 Mbps; Encrypted: 561.0 Mbps
	OpenVPN Throughput	135.0 Mbps

1. For the complete compatibility list of 4G/3G modem, go to <https://www.tp-link.com/festa-fr307-M2/compatibility/>

2. Rated specifications are based on test results using specific software version. Device performance may vary as a result of the actual scenario.

Model		Festa FR307-M2
Basic Functions	WAN Connection Type	IPv4_Static IP; IPv4_Dynamic IP; IPv4_PPPOE; IPv4_L2TP; IPv4_PPTP IPv6_PPP; IPv6_DHCPv6; IPv6_Static IP; IPv6_6in4; IPv6_Pass-Through Mobile Broadband: 4G/3G modem for backup via USB port
	DHCP	DHCP Server DHCP Options Customization Multi-IP Interfaces Multi-Net DHCP
	MAC Clone	Modify WAN MAC Address
	IPTV	IGMP v2/v3 Proxy, Custom Mode, Bridge Mode
	IPv6	StaticIP / SLAAC / DHCPv6 / PPPoE / 6to4Tunnel / PassThrough / Non-Address mode
	Stateful ACL	√
	Bridge VLAN	√
	VLAN	802.1Q VLAN
Transmission	Load Balance	Intelligent Load Balance Application Optimized Routing Link Backup (Failover) Online Detection
	NAT	Port Forwarding NAT-DMZ
	Routing	Static Routing Policy Routing
	Bandwidth Control	IP-based Bandwidth Control
VPN	IPSec VPN	100 IPSec VPN Tunnels LAN-to-LAN, Client-to-LAN Main, Aggressive Negotiation Mode DES, 3DES, SHA1, AES128, AES192, AES256 Encryption Algorithm IKE v1/v2 MD5, SHA1, SHA2-384 and SHA2-512 Authentication Algorithm NAT Traversal (NAT-T) Dead Peer Detection (DPD) Perfect Forward Secrecy (PFS)
	PPTP VPN	PPTP VPN Server PPTP VPN Client (12) <sup>1</sup> 60 Tunnels (Shared with L2TP) PPTP with MPPE Encryption
	L2TP VPN	L2TP VPN Server L2TP VPN Client (12) <sup>1</sup> 60 Tunnels (Shared with PPTP) L2TP over IPSec
	OpenVPN	OpenVPN Server OpenVPN Client (6) <sup>1</sup> 66 OpenVPN Tunnels
Security	Filtering	URL Filtering
	Access Control	Source/Destination IP Based Access Control

1. Festa FR307-M2 can work as a VPN client and can connect with up to 12 PPTP/L2TP VPN servers and 6 OpenVPN servers..

Model		Festa FR307-M2
Authentication	Web Authentication	Simple Password Hotspot (Local User / Voucher / SMS / Radius)
Management	Service	Dynamic DNS (Dyndns, No-IP, Peanuthull, Comexe)
	Maintenance	Web Management Interface SNMP v1/v2c/v3 Port Mirroring CLI (only in Standalone Mode) Syslog Support
Others	Certification	CE, FCC, RoHS
	Package Contents	Festa FR307-M2, Power Adapter, Quick Installation Guide
	System Requirements	Microsoft Windows 98SE, NT, 2000, XP, Vista™ or Windows 7/8/8.1/10 MAC OS, NetWare, UNIX or Linux
	Environment	Operating Temperature: 0 °C to 40 °C (32 °F to 104 °F) Storage Temperature: -40 °C to 70 °C (-40 °F to 158 °F) Operating Humidity: 10% to 90% non-condensing Storage Humidity: 5% to 90% non-condensing

## Ordering Information

Host Gateway	
Model	Description
Festa FR307-M2	Multi-Gigabit VPN Gateway

SFP Modules	
Model	Description
SM311LS	Gigabit SFP module, Single-mode, LC interface, Up to 20km distance
SM311LM	Gigabit SFP module, Multi-mode, LC interface, Up to 550m distance
SM321A	Gigabit WDM Bi-Directional SFP Module, single-mode, LC connector, TX: 1550 nm/RX: 1310 nm, 20 km
SM321A-2	Gigabit WDM Bi-Directional SFP Module, single-mode, LC connector, TX: 1550 nm/RX: 1310 nm, 2 km
SM321B	Gigabit WDM Bi-Directional SFP Module, single-mode, LC connector, TX: 1310 nm/RX: 1550 nm, 20 km
SM321B-2	Gigabit WDM Bi-Directional SFP Module, single-mode, LC connector, TX: 1310 nm/RX: 1550 nm, 2 km

RJ45 SFP Modules	
Model	Description
SM331T	1000BASE-T RJ45 SFP Module

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<sup>‡</sup>For the complete compatibility list of 4G/3G modem, go to <https://www.tp-link.com/festa-fr307-M2/compatibility/>

\* Some models featured in this guide may be unavailable in your country or region. Visit TP-Link website for local sales information: [www.tp-link.com](http://www.tp-link.com).

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