tp-link

Festa Smart Switch | Datasheet
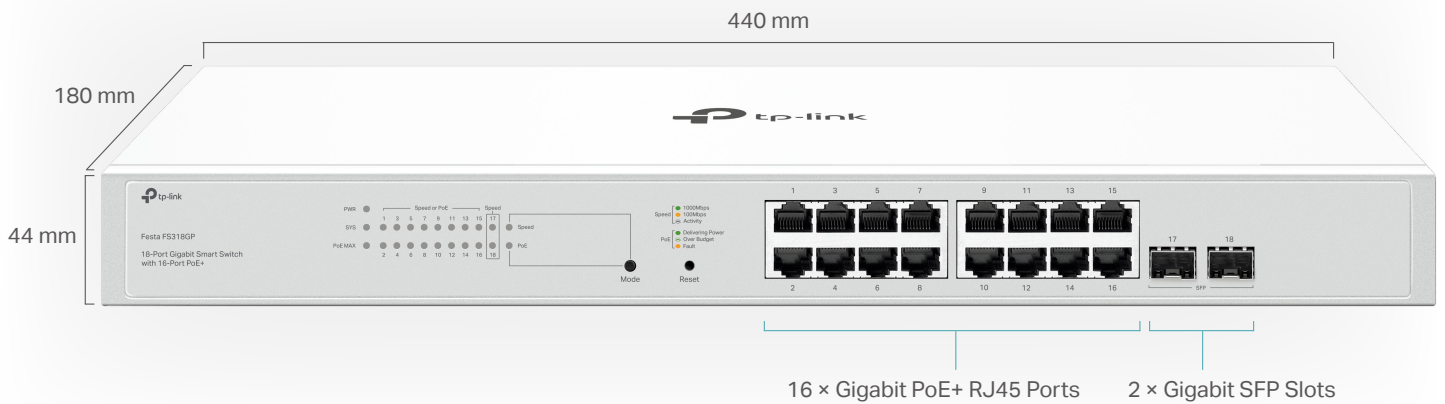
Festa FS318GP

18-Port Gigabit Smart Switch with 16-Port PoE+

Highlights

- 16× Gigabit 802.3af/at PoE+ ports and 2× Gigabit SFP slots

- 150 W total PoE budget with up to 30 W PoE output per port*

- Free cloud centralized management via the Festa app or the web†

- Easy setup and use

- Zero-Touch Provisioning (ZTP) and Self-Organizing Network (SON)

- Static Routing, VLAN, ACL, and IGMP Snooping

- Elegant metal casing and rack-mountable design

Product Pictures

440 mm

180 mm

44 mm

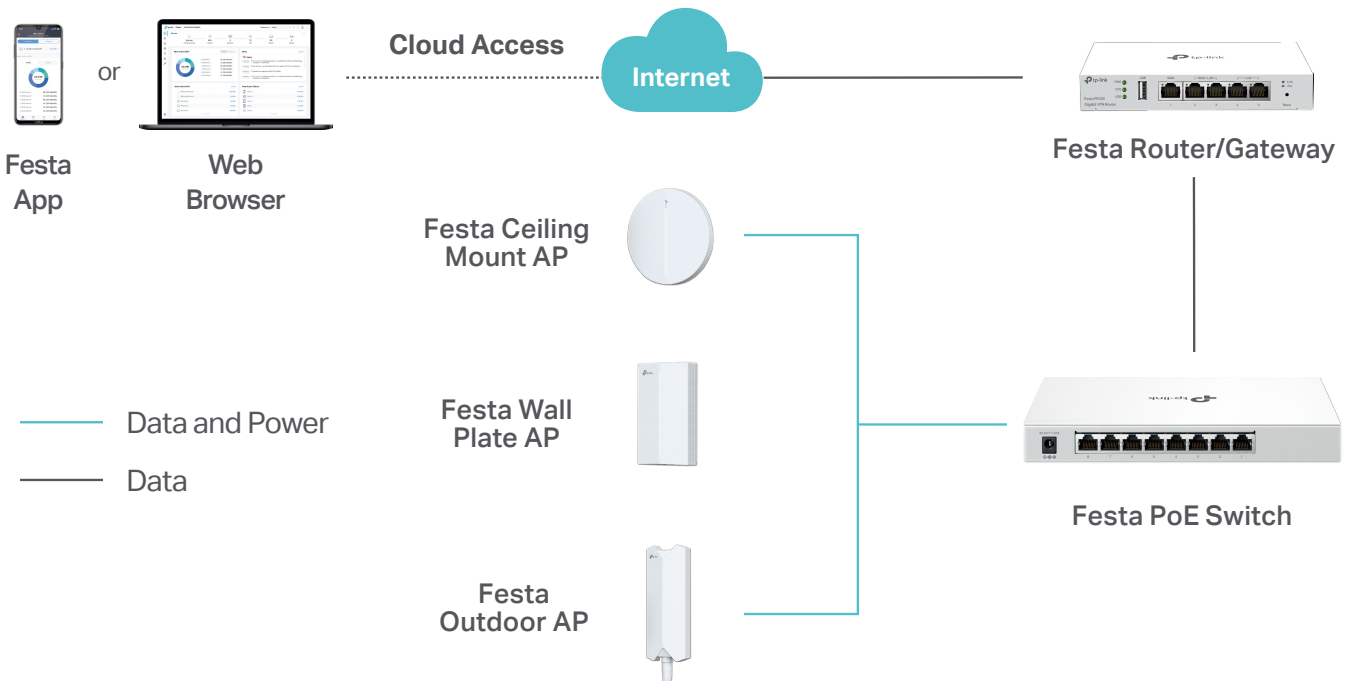16 × Gigabit PoE+ RJ45 Ports   2 × Gigabit SFP Slots

Festa Solution

Festa unifies APs, switches, and routers/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† Easy Maintenance

Cloud Access

Internet

Festa App

or

Web Browser

Festa Router/Gateway

Festa Ceiling Mount AP

Festa Wall Plate AP

—— Data and Power

—— Data

Festa PoE Switch

Festa Outdoor AP

Specifications

Hardware Features & Performance

Model		Festa FS318GP
General	Interface	16 10/100/1000Mbps RJ45 ports 2 Gigabit SFP Slots
	Flash	32 MB
	DRAM	256 MB
	Port Standard	IEEE 802.3i:10BASE-T Ethernet; IEEE 802.3u:100BASE-X Fast Ethernet; IEEE 802.3ab:1000BASE-T Gigabit Ethernet; IEEE 802.3z:1000BASE-X Gigabit Ethernet (Optical fiber)
PoE	PoE Standard	802.3af/at
	PoE Ports	Port 1-16, up to 30 W per port
	PoE Power Budget	150 W
Performance	Switching Capacity	36 Gbps
	Packet Forwarding Rate	26.78 Mpps
	MAC Address Table	8K
	Packet Buffer	4.1 Mbit
	Transmission Method	Store and Forward
	Number of IP Interfaces	16
	Number of Static Routes	32 (IPv4, IPv6)
	Jumbo Frame	9 KB
Physical & Environment	Power Supply	100-240V AC, 50/60 Hz
	Max Power Consumption	181.32 W (110 V/60 Hz) (with 150 W PD connected)
	Max Heat Dissipation	616.49 BTU/hr (110 V/60 Hz) (with 150 W PD connected)
	Standby Power Consumption	8.58 W (110V/60 Hz)
	Dimensions (W x D x H)	17.3 × 7.1 × 1.7 in (440 × 180 × 44 mm)
	Fan Quantity	Fanless
	Installation	Rackmount
	Operating Temperature	0 °C to 45 °C (32 °F to 113 °F)
	Storage Temperature	-40 °C to 70 °C (-40 °F to 158 °F)
	Operation Humidity	10% to 90% RH, non-condensing
	Storage Humidity	5% to 90% RH, non-condensing
	Certification	CE, FCC, RoHS

Software Features			
Model	Festa FS318GP		
Festa Cloud-Based Controller Management	Device Config	Port Config	• Static LAG • LACP(802.3ad) • Link Speed • Port Isolation • Flow Control • EEE • Loopback Control - Loopback Detection Port Based - Loopback Detection VLAN Based - Spanning Tree • LLDP-MED • Bandwidth Control - Rate Limit - Storm Control • DHCP L2 Relay
		General	• LED on/off • Jumbo Frame • Hash Algorithm
		VLAN Interface	• Management VLAN • IP Address(Static/DHCP) • DHCP Server • DHCP Relay • IPv6 Address(Static/DHCP)
		Services	• Loopback Detection - Enable/Disable • Spanning Tree - STP/RSTP • SNMP Location • SNMP Contact
		Static Route	
	Site		• NTP • DST • LLDP
	LAN		• IGMP Snooping • MLD Snooping • DHCP Server • DHCP Guard - DHCPv4 Legal Server • DHCPv6 Guard - DHCPv6 Legal Server • DHCP L2 Relay

Software Features			
Model	Festa FS318GP		
Festa Cloud-Based Controller Management	Network Security	ACL	• Time-Range - Time Slice - Week Time-Range - Absolute Time-Range • Combined ACL - Source MAC(Subnet Mask) - Destination MAC(Subnet Mask) - VLAN ID - EtherType - Source IP(Subnet Mask) - Destination IP(Subnet Mask) - IP Protocol - TCP/UDP Source Port - TCP/UDP Destination Port • IPv6 ACL • Rule Operation - Permit/Deny • Binding - Port Binding - VLAN Binding
	Services	SNMP	• SNMP Version
		SSH	• SSH Login - Enabled/Disabled • SSH Server Port • Layer 3 Accessibility - Enabled/Disabled
Standalone	System	System Information	System Summary
		System tools	Firmware Upgrade System Reboot System Reset
		Access Security	• SSH Config - v1/v2 Enable/Disable - Encryption Algorithm - Data Integrity Algorithm - Port Setting - IPv6 SSH

Ordering Information

Host Switch

Model	Description
Festa FS318GP	18-Port Gigabit Smart Switch with 16-Port PoE+

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

MC Series Media Converter

Model	Description
MC210CS	Gigabit Single-Mode Media Converter, up to 20 km, chassis mountable
MC200CM	Gigabit Multi-Mode Media Converter, up to 550 m, chassis mountable
MC220L	Gigabit SFP Media Converter, chassis mountable
MC1400	14-slot power supply chassis for TP-LINK MC Series Media Converter, 19-inch rack-mountable

FC Series Media Converter

Model	Description
FC111A-20	100Mbps Single-Mode WDM Media Converter, up to 20 km, TX:1550nm, RX:1310nm, chassis mountable
FC111B-20	100Mbps Single-Mode WDM Media Converter, up to 20 km, TX:1310nm, RX:1550nm, chassis mountable
FC311A-2	Gigabit Single-Mode WDM Media Converter, up to 2 km, TX:1550nm, RX:1310nm, chassis mountable
FC311B-2	Gigabit Single-Mode WDM Media Converter, up to 2 km, TX:1310nm, RX:1550nm, chassis mountable
FC311A-20	Gigabit Single-Mode WDM Media Converter, up to 20 km, TX:1550nm, RX:1310nm, chassis mountable
FC311B-20	Gigabit Single-Mode WDM Media Converter, up to 20 km, TX:1310nm, RX:1550nm, chassis mountable
FC1400	14-slot power supply chassis for TP-LINK FC Series Media Converter, 19-inch rack-mountable