



Festa Smart Switch | Datasheet

Festa FS318G

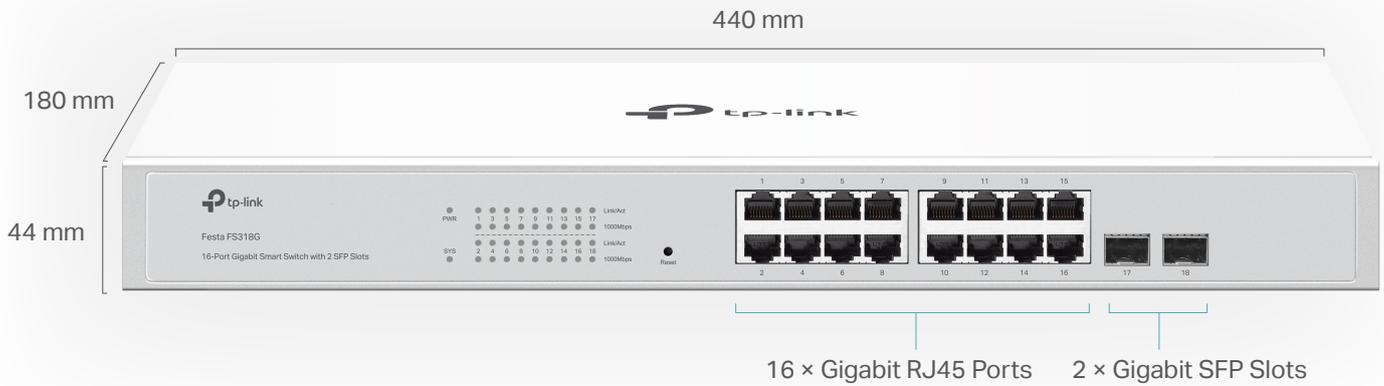
16-Port Gigabit Smart Switch with 2 SFP Slots



Highlights

- 16× Gigabit RJ45 ports and 2× Gigabit SFP slots
- Free cloud centralized management via the Festa app or the web†
- Easy setup and use
- Zero-Touch Provisioning (ZTP) and Self-Organizing Network (SON)
- Complete SMB-Lite Festa Ecosystem, ideal for small businesses, home offices, cafes, retail, prosumers, advanced consumers, and large households
- Static Routing, VLAN, ACL, and IGMP Snooping
- Fanless design for silent operation
- Elegant metal casing and rack-mountable design

Product Pictures



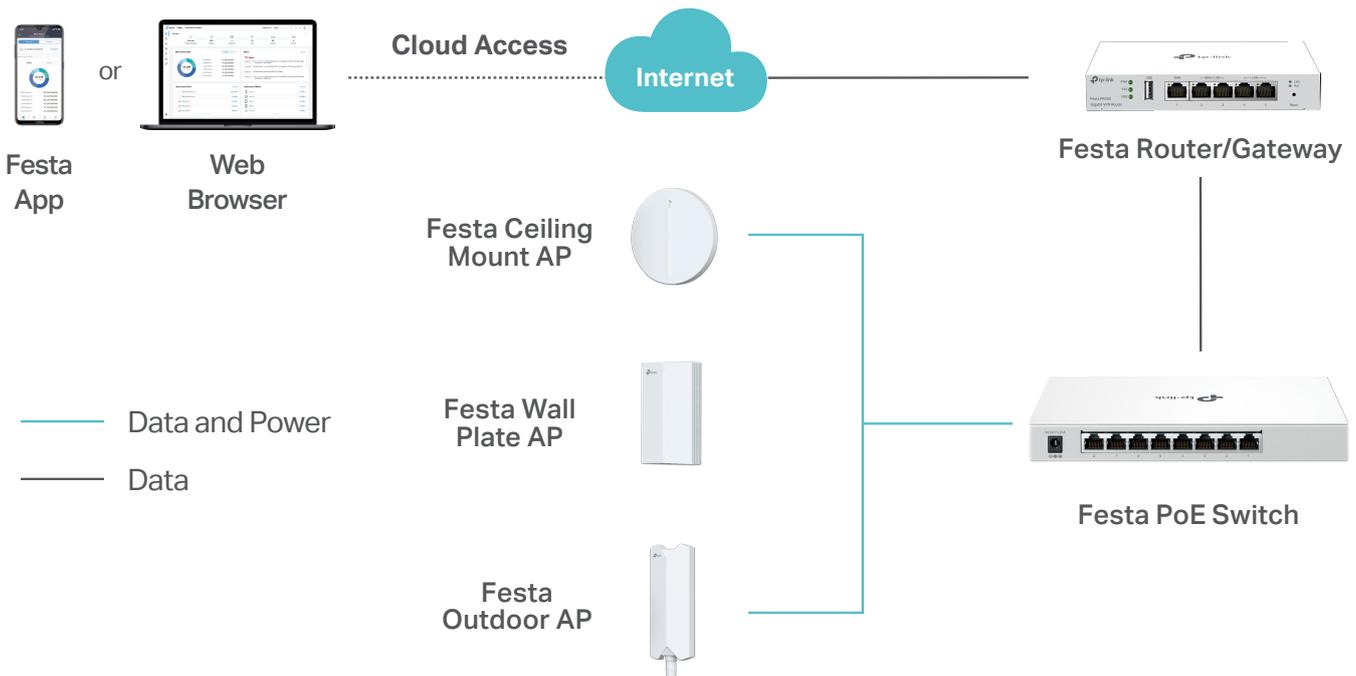
Festa Solution

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



Specifications

Hardware Features & Performance

| Model | | Festa FS318G |
|------------------------|---------------------------|---|
| 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) |
| 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 | 12.3 W (220 V/50 Hz) |
| | Max Heat Dissipation | 41.82 BTU/hr (220 V/50 Hz) |
| | Standby Power Consumption | 3.84 W (220 V/50 Hz) |
| | Dimensions (W x D x H) | 17.3 × 7.1 × 1.7 in (440 × 180 × 44 mm) |
| | Fan Quantity | Fanless |
| | Installation | Rackmountable |
| | Operating Temperature | 0 °C to 40 °C (32 °F to 104 °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 FS318G | | |
|--|---------------|---|--|
| Festa Cloud-Based Controller Management | Device Config | Port Config | <ul style="list-style-type: none"> • Static LAG • LACP(802.3ad) • Link Speed • Port Isolation • Flow Control • EEE • Loopback Control <ul style="list-style-type: none"> - Loopback Detection Port Based - Loopback Detection VLAN Based - Spanning Tree • LLDP-MED • Bandwidth Control <ul style="list-style-type: none"> - Rate Limit - Storm Control • DHCP L2 Relay |
| | | General | <ul style="list-style-type: none"> • LED on/off • Jumbo Frame • Hash Algorithm |
| | | VLAN Interface | <ul style="list-style-type: none"> • Management VLAN • IP Address(Static/DHCP) • DHCP Server • DHCP Relay • IPv6 Address(Static/DHCP) |
| | | Services | <ul style="list-style-type: none"> • Loopback Detection <ul style="list-style-type: none"> - Enable/Disable • Spanning Tree <ul style="list-style-type: none"> - STP/RSTP • SNMP Location • SNMP Contact |
| | | Static Route | |
| | Site | <ul style="list-style-type: none"> • NTP • DST • LLDP | |
| | LAN | <ul style="list-style-type: none"> • IGMP Snooping • MLD Snooping • DHCP Server • DHCP Guard <ul style="list-style-type: none"> - DHCPv4 Legal Server - DHCPv6 Legal Server • DHCP L2 Relay | |

Software Features

| Model | Festa FS318G | | |
|---|------------------|--------------------|--|
| Festa Cloud-Based Controller Management | Network Security | ACL | <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • SNMP Version |
| | | SSH | <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • SSH Config - v1/v2 Enable/Disable - Encryption Algorithm - Data Integrity Algorithm - Port Setting - IPv6 SSH |

Ordering Information

Host Switch

| Model | Description |
|--------------|---|
| Festa FS318G | 16-Port Gigabit Smart Switch with 2 SFP Slots |

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 |

Disclaimers:

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

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