Festa AP | Datasheet

Festa F54

AC1750 Wireless MU-MIMO Gigabit Ceiling Mount Access Point

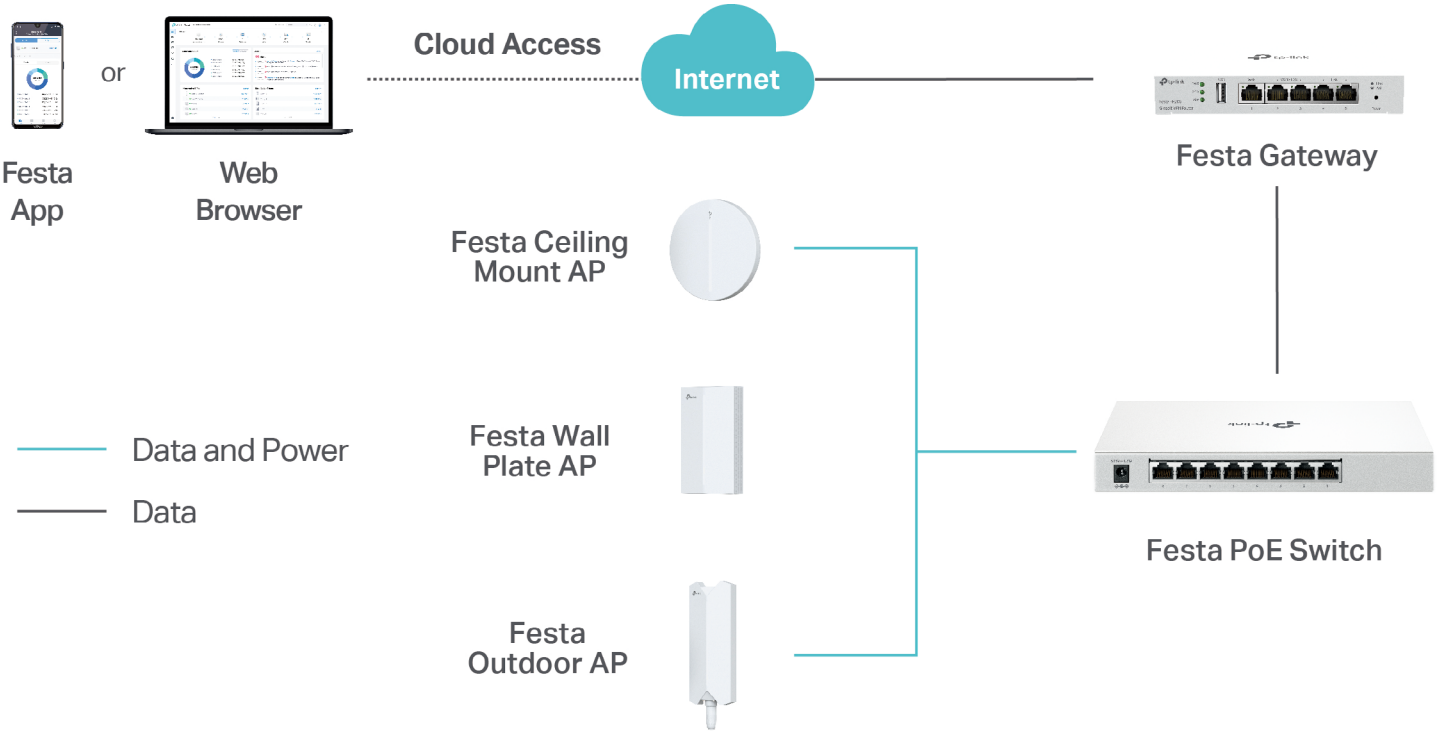
Festa Solution

Festa unifies APs, switches, and routers 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

Model		Festa F54
Name		AC1750 Wireless MU-MIMO Gigabit Ceiling Mount Access Point
Main Design	LAN Interfaces	2x Gigabit Ethernet Port
	Wi-Fi Standards	IEEE 802.11 a/b/g/n/ac
	Maximum Data Rate	450 Mbps (2.4 GHz) +1300 Mbps (5 GHz)
	Wireless Client Capacity	220+
	Antennas	2.4 GHz: 3x 3.5 dBi, 5 GHz: 3x 4 dBi
	Transmit Power	CE: < 20 dBm (2.4 GHz, EIRP); < 28 dBm (5 GHz, EIRP)
	Reception Sensitivity	2.4G: 11nHT20MCS0:-92dBm; 11nHT20MCS7:-73dBm; 11nHT40MCS0:-89dBm; 11nHT40MCS7:-70dBm; 5G: 11acVHT20MCS0:-93.5dBm; 11acVHT20MCS8:-71.5dBm; 11acVHT40MCS0:-91dBm; 11acVHT40MCS9:-67.5dBm; 11acVHT80MCS0:-87.5dBm; 11acVHT80MCS9:-63.5dBm;
Centralized Management	Festa Cloud-Based Controller	•
	Festa App	•
Security	Captive Portal Authentication	•
	Access Control	•
	Maximum Number of MAC Filter	4000
	Wireless Isolation between Clients	•
	VLAN	•
	Rogue AP Detection	-
	Wireless Encryption	WPA-Personal/Enterprise, WPA2-Personal/Enterprise
	802.1X Support	•

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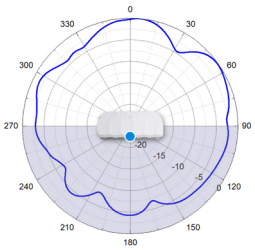
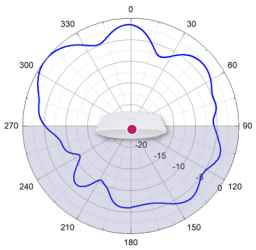
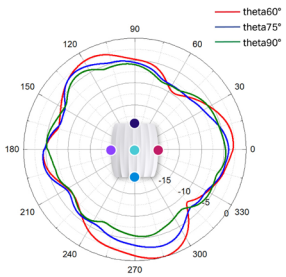
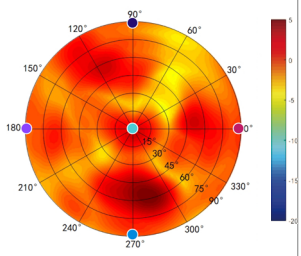
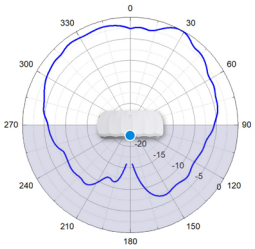
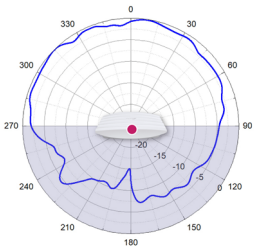
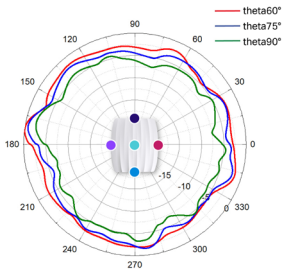
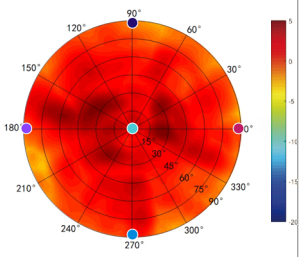
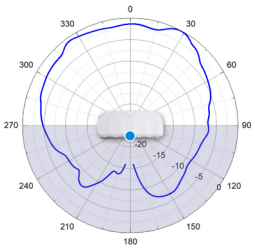
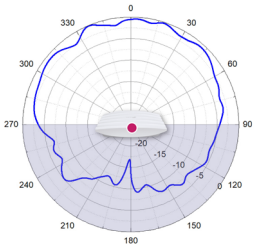
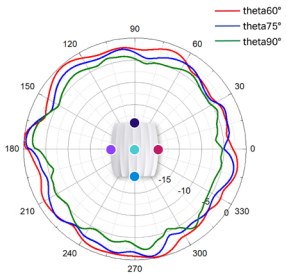
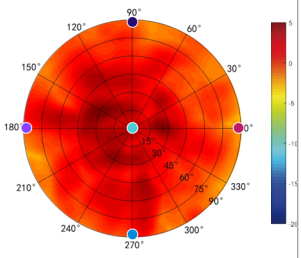
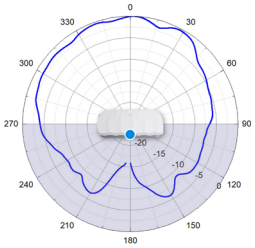
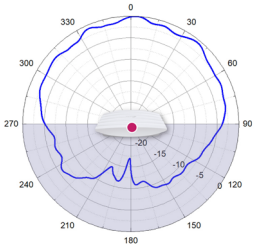
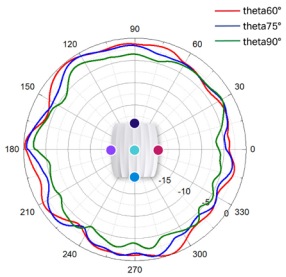
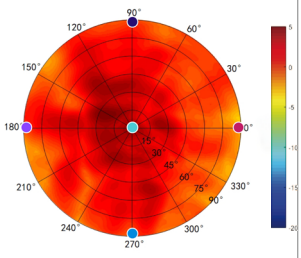
Wireless Function	Multiple SSIDs	16 (8 on each band)
	Channel	EU: 2G:1-13; 5G: 36,40,44,48,52,56,60,64,100,104,108,112,116,120,124,128,132,136,140 US: 2G:1-11; 5G: 36,40,44,48,149,153,157,161,165
	Enable/Disable Wireless Radio	•
	Enable/Disable SSID Broadcast	•
	Guest Network	•
	Automatic Channel Selection	•
	Transmit Power Control	Adjust transmit Power on dBm
	QoS (WMM)	•
	Seamless Roaming	•
	Mesh	•
	Beamforming	•
	MIMO	2.4GHz: 3*3 SU-MIMO 5GHz: 3*3 MU-MIMO DL
	OFDMA	-
	Rate Limit	Based on SSID/Client
	Load Balance	•
	Airtime Fairness	•
	Band Steering	•
	RADIUS Accounting	•
	MAC Authentication	-
	Reboot Schedule	-
	Wireless Schedule	•
	Wireless Statistics	•
	Static IP/Dynamic IP	•
Support Data Rates	802.11ac	6.5 Mbps to 1300 Mbps (MCS0-MCS9, NSS = 1 to 3 VHT20/40/80)
	802.11n	6.5 Mbps to 450 Mbps (MCS0-MCS7, NSS = 1 to 3 HT20/40)
	802.11g	6, 9, 12, 18, 24, 36, 48 ,54 Mbps
	802.11b	1, 2, 5.5, 11 Mbps
	802.11a	6, 9, 12, 18, 24, 36, 48 ,54 Mbps
Management	LED ON/OFF Control	•
	Management MAC Access Control	•
	Web-based Management	-
	SNMP	v1, v2c
	SSH	•
	Restore & Backup	-
	Firmware update via Web	-
	NTP	•
	System Log	•
	Email Alerts	-

Model		Festa F54
Physical & Environment	Power Supply	802.3af PoE or 48 V Passive PoE (+4,5 pins; -7,8 pins. PoE Adapter Included)
	Maximum Power Consumption	12.3 W
	Reset	•
	Mounting	Ceiling/Wall mounting (Kits included)
	Certifications	CE, FCC, RoHS, IC
	Dimensions (W x D x H)	205.5 x 181.5 x 37.1 mm
	Net Weight	359.2g
	Enclosure Material / Rack Material	Top cover: PC Bottom shell: PC Mounting rack: PC
	Lightning Protection	Air discharge: ±8kV Contact discharge: ±4kV Common mode 10/700: ±4kV
	Environment	Operating Temperature: 0 °C–40 °C (32 °F–104 °F); Storage Temperature: -40 °C–70 °C (-40 °F–158 °F); Operating Humidity: 10%–90% non-condensing; Storage Humidity: 5%–90% non-condensing;

Antenna Radiation Patterns

Ceiling Mount AP

Festa F54

	Elevation-0°	Elevation-90°	Azimuth	Mapped 3D
2.45 GHz				
5.25 GHz				
5.5 GHz				
5.75 GHz				

Disclaimers

* Festa currently offers free cloud access for centralized management and reserves the right to apply fees in the future.
* Maximum wireless signal rates are the physical rates derived from IEEE Standard 802.11 specifications. Actual wireless data throughput and wireless coverage are not guaranteed and will vary as a result of 1) environmental factors, including building materials, physical objects, and obstacles, 2) network conditions, including local interference, volume and density of traffic, product location, network complexity, and network overhead, and 3) client limitations, including rated performance, location, connection, quality, and client condition.
* The actual capacity depends on the wireless environment and client traffic and is generally less than the maximum number of client connections.
* Coverage value is calculated based on laboratory testing. Actual coverage is not guaranteed and will vary as a result of client limitations and environmental factors.
* Actual network speed may be limited by the rate of the product's Ethernet WAN or LAN port, the rate supported by the network cable, Internet service provider factors and other environmental conditions.
* PoE budget calculations are based on laboratory testing. Actual PoE power budget is not guaranteed and will vary as a result of client limitations and environmental factors.

Some models featured in this guide may be unavailable in your country or region. Visit TP-Link website for local sales information: https://www.tp-link.com. Specifications are subject to change without notice.
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