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Festa AP | Datasheet

Festa F41

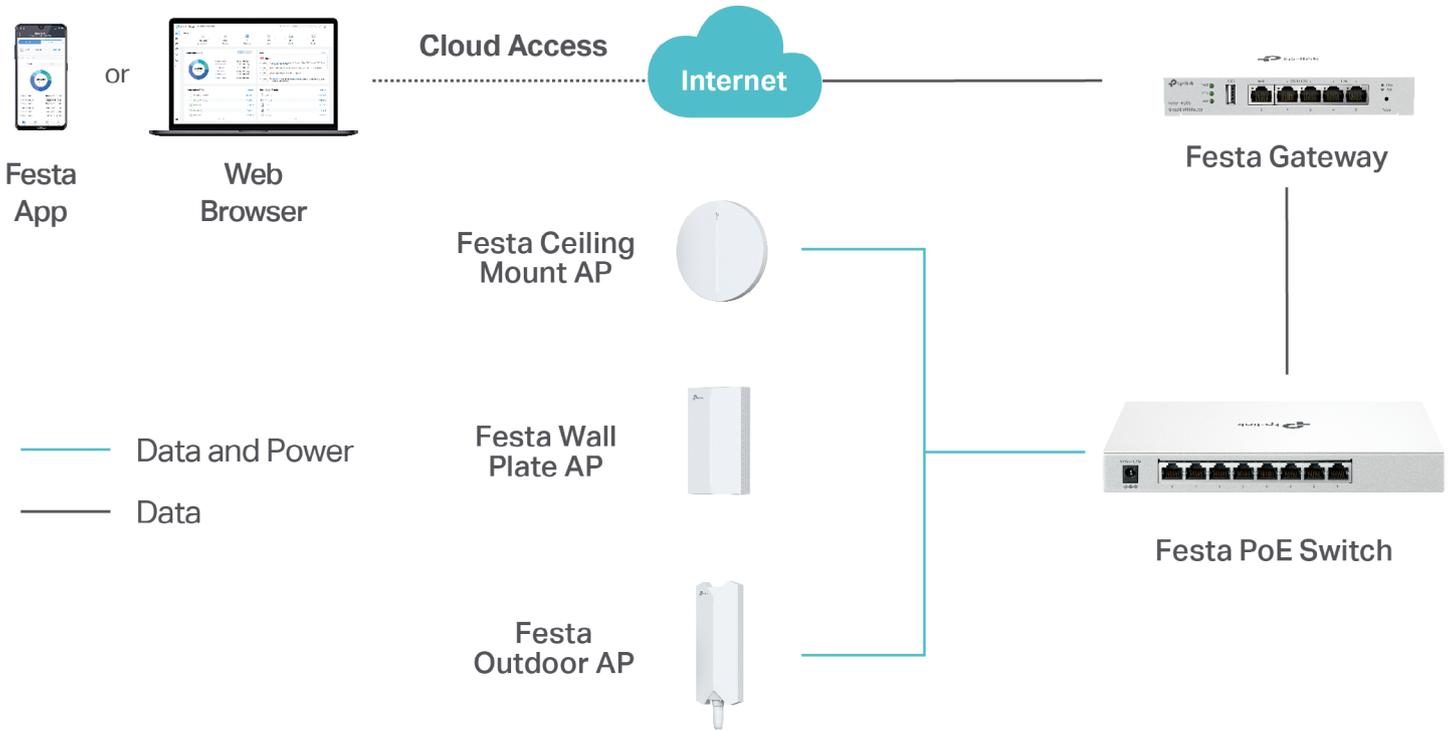300Mbps Wireless N Ceiling Mount Access Point

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

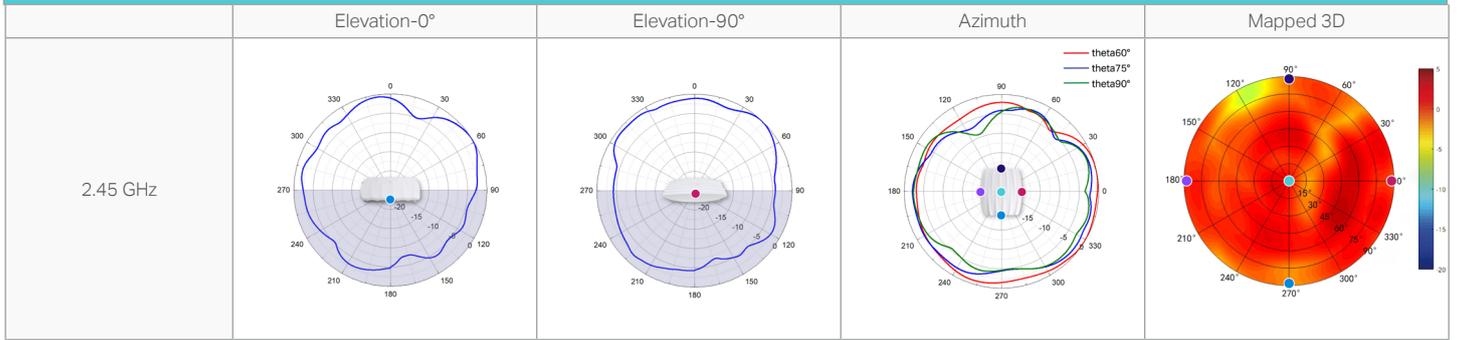## Free Cloud Centralized Management*

Easy Maintenance

Festa
App

or

Web
Browser

Cloud Access

Internet

Festa Gateway

Festa Ceiling
Mount AP

—— Data and Power

—— Data

Festa Wall
Plate AP

Festa
Outdoor AP

Festa PoE Switch

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Specifications

Model	Festa F41
Name	300Mbps Wireless N Ceiling Mount Access Point

Main Design	LAN Interfaces	1x 10/100 Mbps Ethernet Port
	Wi-Fi Standards	IEEE 802.11 b/g/n
	Maximum Data Rate	300 Mbps (2.4 GHz)
	Wireless Client Capacity	100+
	Antennas	2x 4 dBi
	Transmit Power	CE: < 19 dBm (EIRP)
	Reception Sensitivity	**2.4G:** 11g: 6Mbps -91dBm, 54Mbps -76dBm 11n: HT20 MCS0 -91dBm, HT40 MCS0 -88dBm HT20 MCS7 -73dBm, HT40 MCS7 -71dBm
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	•
Wireless Function	Multiple SSIDs	8
	Channel	2G (EU): Channel 1-13 2G (US): Channel 1-11
	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	-
	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	•

Model		Festa F41
Support Data Rates	802.11n	6.5 Mbps to 300 Mbps (MCS0-MCS7, NSS = 1 to 2 HT20/40)
	802.11g	6, 9, 12, 18, 24, 36, 48 ,54 Mbps
	802.11b	1, 2, 5.5, 11 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	-
Physical & Environment	Power Supply	802.3af PoE or external 9V/0.6A DC power supply
	Maximum Power Consumption	3.1 W
	Reset	•
	Mounting	Ceiling/Wall mounting (Kits included)
	Certifications	CE, FCC, RoHS
	Dimensions (W x D x H)	189.4 x172.3 x 29.5 mm
	Net Weight	213.3g
	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 F41			
	Elevation-0°	Elevation-90°	Azimuth	Mapped 3D
2.45 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.