

# Festa AP | Datasheet

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## Festa F41-Outdoor

300Mbps Wireless N Outdoor Access Point



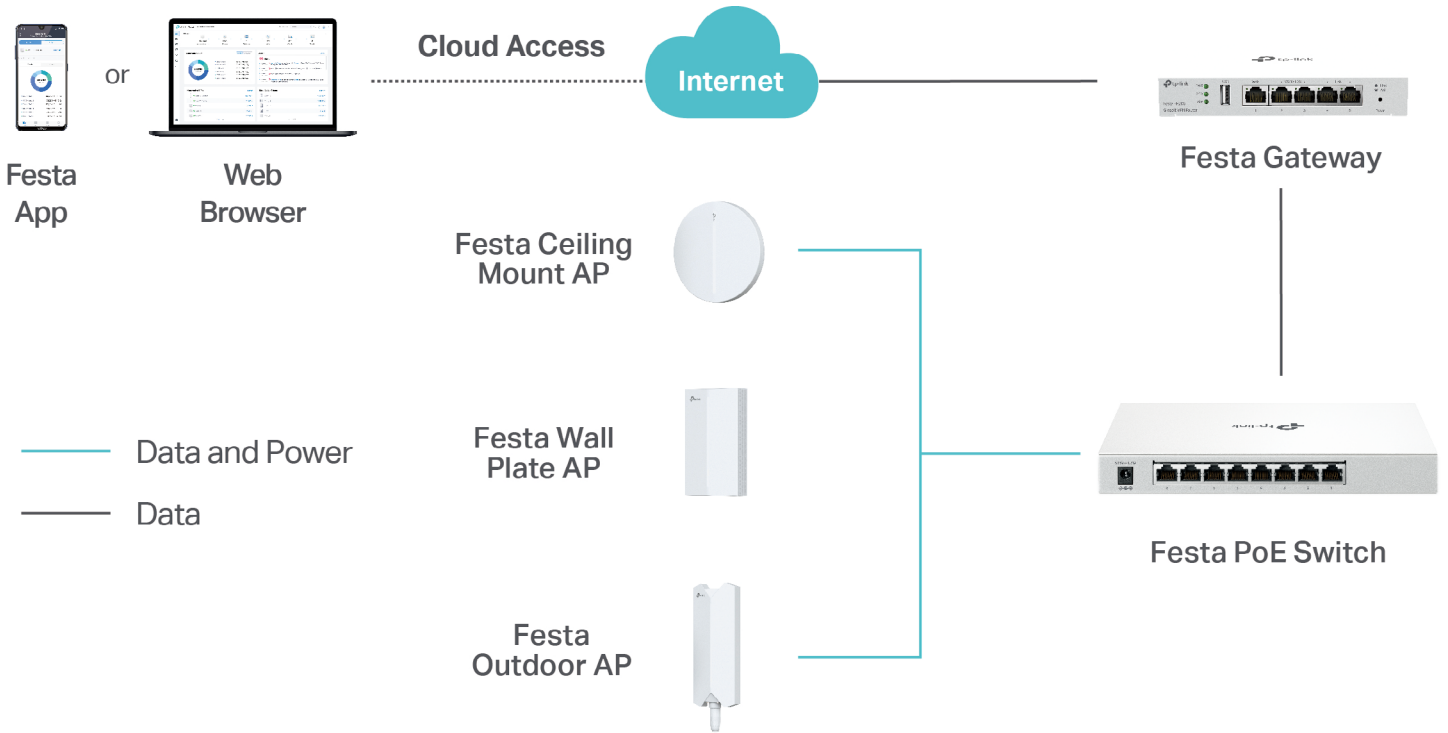
# Festa Solution

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

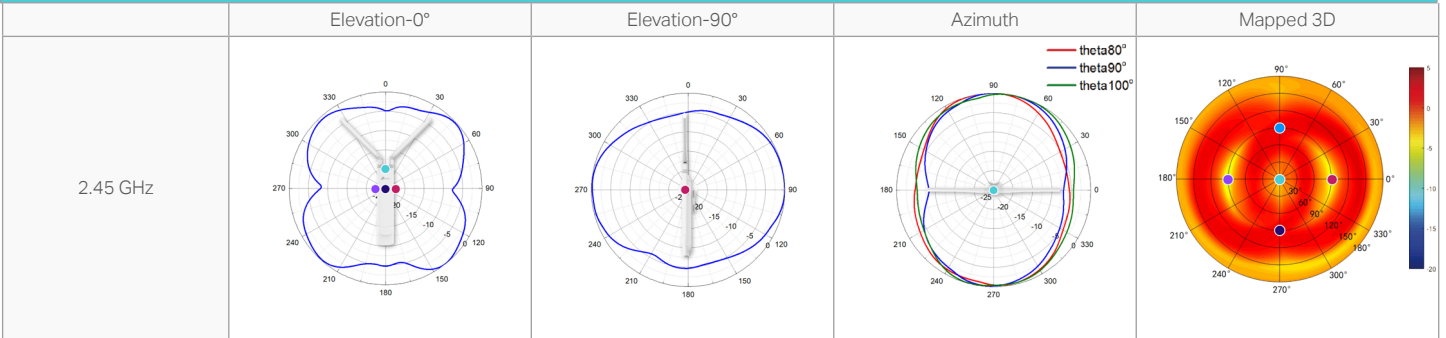
Model		Festa F41-Outdoor
Name		300Mbps Wireless N Outdoor Access Point
Main Design	LAN Interfaces	1 x 10/100 Mbps Ethernet Port
	Wi-Fi Standards	IEEE 802.11 b/g/n
	Maximum Data Rate	300 Mbps (2.4 GHz)
	Wireless Client Capacity	100+
	Antennas	2 Omni Antennas (External Detachable) 2.4 GHz: 3 dBi
	Transmit Power	CE: < 20 dBm (EIRP), FCC: < 22 dBm
	Reception Sensitivity	2G: HT20 MCS0 -89, HT40 MCS0 -87 HT20 MCS7 -72, HT40 MCS7 -69
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	EU: 2G:1-13 US: 2G: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	-
	MU-MIMO	-
	MIMO	2*2 2.4G SU-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	•	

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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	24 V Passive PoE (+4,5 pins; -7,8 pins. PoE Adapter Included)
	Maximum Power Consumption	3.1 W
	Reset	•
	Mounting	Pole/Wall mouting (Kits included)
	Certifications	CE, FCC, RoHS
	Dimensions (W x D x H)	216 x 46 x 27 mm
	Net Weight	120g
	Enclosure Material / Rack Material	Top cover: PC Bottom shell: PC Mounting rack: ASA
	Lightning Protection	Air discharge: ±8kV Contact discharge: ±4kV Common mode 10/700: ±6kV
	Environment	Operating Temperature: -30 °C–65 °C (-22 °F–149 °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

Outdoor AP

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# 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.
- \* Protection against lightning and electro-static discharge may be achieved through proper product setup, grounding and cable shielding. Refer to the instruction manual and consult an IT professional to assist with setting up this product.

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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