

# Festa AP | Datasheet

## Festa F65-Wall

AX3000 Wall Plate Wi-Fi 6 Access Point



## Highlights

- Up to 3.0 Gbps WiFi 6 Speeds: 574 Mbps on 2.4 GHz and 2402 Mbps on 5 GHz\*
- 4× Gigabit RJ45 ports for bridging (1× uplink + 3× downlink), and one downlink port supporting PoE pass-through
- Seamless Roaming and rich WiFi security technologies enable smooth and secure connectivity
- Free cloud centralized management via the Festa app or the web\*
- Easy setup and use, no professional technician required. Self-Organizing Networking and Zero-Touch Provisioning technology make it a breeze
- Compatible with 86 mm & EU & US standard junction box and PoE for flexible installation

# 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



Festa  
App



Web  
Browser

## Free Cloud Centralized Management\*



Cloud Access

Internet

## Easy Maintenance



Festa Gateway



Festa PoE Switch

Festa Ceiling  
Mount AP



Festa Wall  
Plate AP



Festa  
Outdoor AP



— Data and Power

— Data



Festa Gateway



Festa PoE Switch

# Specifications

Model	Festa F65-Wall	
Name	AX3000 Wall Plate Wi-Fi 6 Access Point	
Main Design	LAN Interfaces	4x Gigabit Ethernet Port
	Wi-Fi Standards	IEEE 802.11 a/b/g/n/ac/ax
	Maximum Data Rate	574 Mbps (2.4 GHz) + 2402 Mbps (5 GHz)
	Wireless Client Capacity	120+
	Antennas	2.4 GHz: 2x 3 dBi 5 GHz: 2x 5 dBi
	Transmit Power	CE: < 20 dBm (2.4 GHz, EIRP); < 23 dBm (5 GHz, band 1 & band 2, EIRP); < 26 dBm (5 GHz, band 3, EIRP); FCC: < 21 dBm (2.4 GHz); < 21 dBm (5 GHz)
	Reception Sensitivity	2.4GHz: 11ax HE20 MCS0: -94 dBm; 11ax HE20 MCS11: -66 dBm 11ax HE40 MCS0: -91 dBm; 11ax HE40 MCS11: -63 dBm 5GHz: 11ax HE20 MCS0: -94 dBm; 11ax HE20 MCS11: -63 dBm 11ax HE40 MCS0: -91 dBm; 11ax HE40 MCS11: -60 dBm 11ax HE80 MCS0: -88 dBm; 11ax HE80 MCS11: -57 dBm 11ax HE160 MCS0: -85 dBm; 11ax HE160 MCS11: -54 dBm
	Festa Cloud-Based Controller	•
Centralized Management	Festa App	•
	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, WPA3-Personal/Enterprise
Security	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: 36,40,44,48,52,56,60,64,100,104,108,112,116,120,124,128,132,136,140,149,153,157,161,165
	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	•
	MU-MIMO	-
	MIMO	2*2 (2.4G and 5G) SU-MIMO 2*2 (2.4G and 5G) SU-MIMO
	OFDMA	OFDMA UL/DL
	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	802.11ax	8 Mbps to 2402 Mbps (MCS0-MCS11, NSS = 1 to 2 HE20/40/80/160)
	802.11ac	6.5 Mbps to 2166.7 Mbps (MCS0-MCS9, NSS = 1 to 2 VHT20/40/80/160)
	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
	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, v3
	SSH	•
	Restore & Backup	-
	Firmware update via Web	-
	NTP	•
	System Log	•
Physical & Environment	Email Alerts	-
	Power Supply	802.3af/at PoE
	Maximum Power	EU: 12W (802.3at PoE, PoE Out off)
	Consumption	US: 12.6W (802.3at PoE, PoE Out off)
	Reset	•
	Mounting	Wall mounting (Kits included)

Model	Festa F65-Wall	
Others	Certifications	CE, FCC, RoHS, IC
	Dimensions (W x D x H)	143 x 86 x 42.4 mm
	Net Weight	284.6g
	Enclosure Material / Rack Material	Top Cover: PC Middle Frame: PC Bottom Shell: Aluminum Alloy
	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;

# 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.
- \* Use of WiFi 6 (802.11ax) and its features, including OFDMA, HE160, and 1024-QAM, require clients to support the corresponding features. The 160 MHz bandwidth is only available on the 5 GHz band. It may be unavailable in some regions/countries due to regulatory restrictions. The double channel width refers to 160 MHz compared to 80 MHz for general WiFi 6 APs.
- \* 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.

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