

Festa AP | Datasheet

Festa F76

US: BE11000 Ceiling Mount Wi-Fi 7 Access Point

EU: BE9300 Ceiling Mount Wi-Fi 7 Access Point



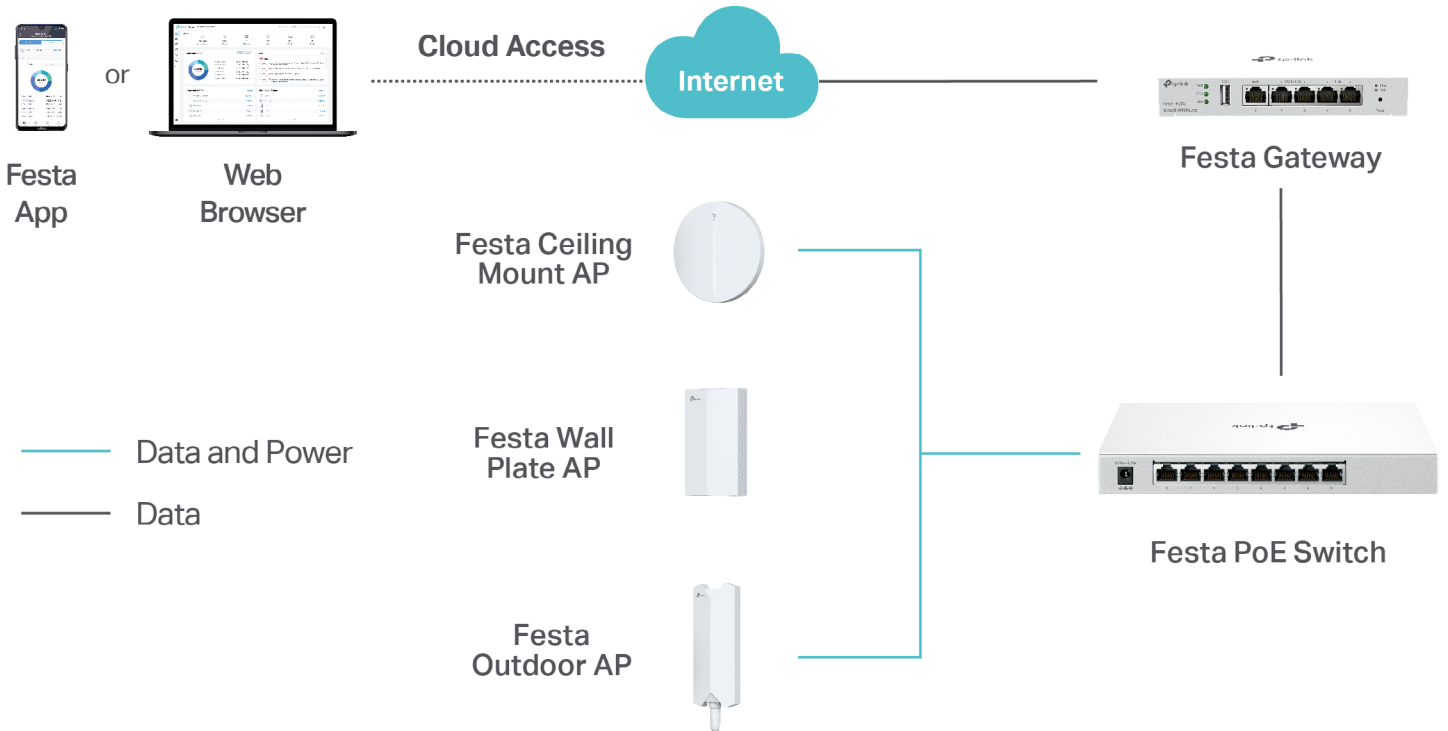
Festa Solution

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

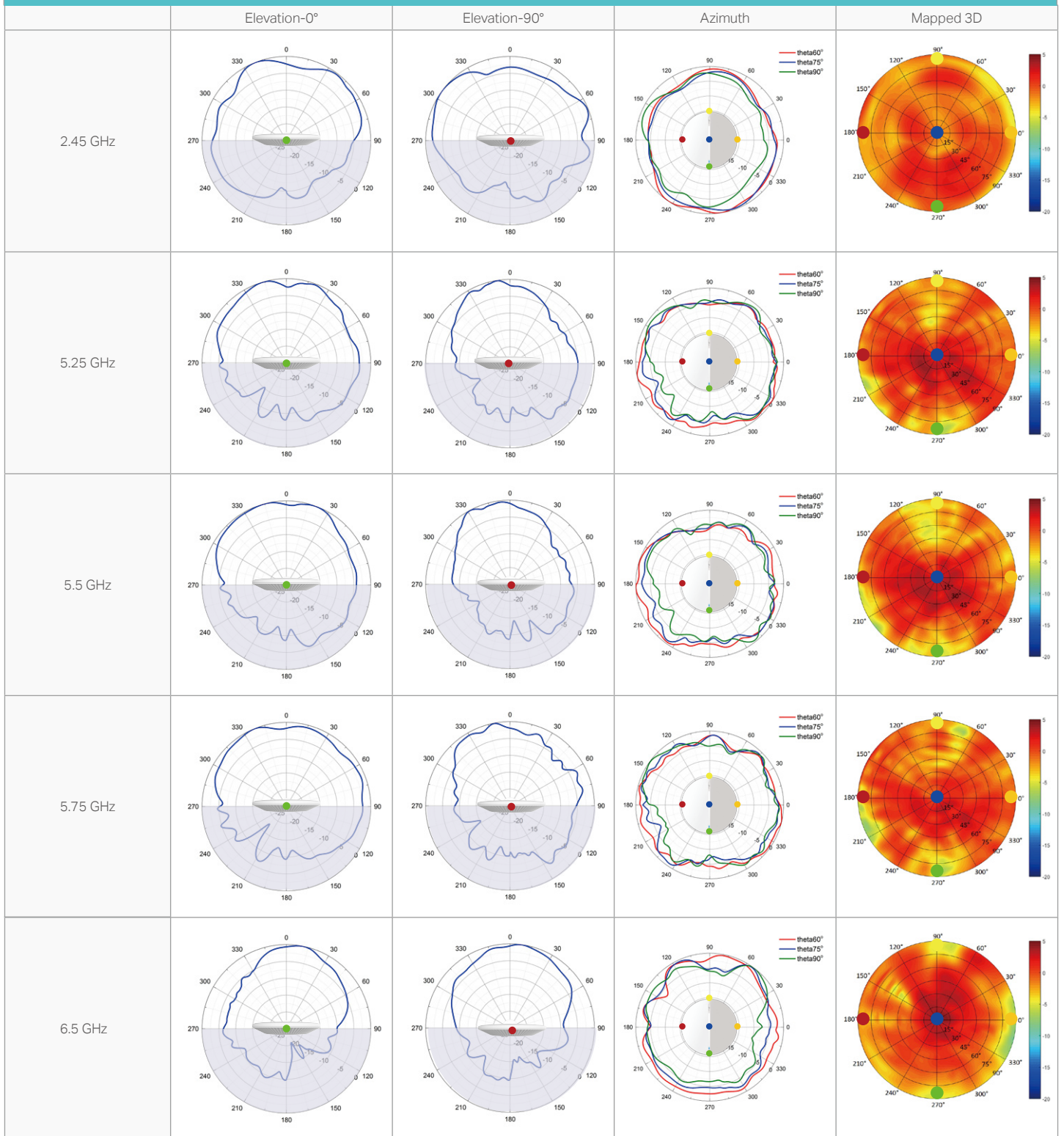
Model		Festa F76
Name		US: BE11000 Ceiling Mount Wi-Fi 7 Access Point EU: BE9300 Ceiling Mount Wi-Fi 7 Access Point
Main Design	LAN Interfaces	1x 2.5Gbps Ethernet Port
	Wi-Fi Standards	IEEE 802.11 a/b/g/n/ac/ax/be
	Maximum Data Rate	US: 688 Mbps (2.4 GHz) + 4324 Mbps (5 GHz) + 5765 Mbps (6 GHz) EU: 688 Mbps (2.4 GHz) + 2882 Mbps (5 GHz) + 5765 Mbps (6 GHz)
	Wireless Client Capacity	2 GHz: 128, 5 GHz: 128, 6 GHz: 128
	Antennas	2.4 GHz: 2 × 4dBi, 5 GHz: 2 × 5dBi, 6 GHz: 2 × 5dBi
	Transmit Power	CE: < 20 dBm (2.4 GHz, EIRP); < 23 dBm (5 GHz, band 1&band 2, EIRP); < 28 dBm (5 GHz, band 3, EIRP); <23dBm (6 GHz, EIRP) FCC:< 25 dBm (2.4 GHz); < 25 dBm (5 GHz); < 23 dBm (6 GHz)
	Reception Sensitivity	2.4G: 11ax HE20MCS0:-96dBm; 11ax HE20MCS11:-66.5dBm 11ax HE40MCS0:-93dBm; 11ax HE40MCS11:-64dBm 5G: 11be EHT20MCS0:-94dBm; 11be EHTMCS13:-63dBm 11be EHT40MCS0:-90.5dBm; 11be EHT40MCS13:-60dBm 11be EHT80MCS0:-88dBm; 11be EHT80MCS13:-57.5dBm 11be EHT160MCS0:-85dBm; 11be EHT160MCS13:-55.5dBm 6G: 11be EHT20MCS0:-93dBm; 11be EHTMCS13:-63dBm 11be EHT40MCS0:-90dBm; 11be EHT40MCS13:-60dBm 11be EHT80MCS0:-87.5dBm; 11be EHT80MCS13:-57.5dBm 11be EHT160MCS0:-84dBm; 11be EHT160MCS13:-55dBm 11be EHT320MCS0:-81.5dBm; 11be EHT320MCS13:-52.5dBm
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, WPA3-Personal/Enterprise, OWE
802.1X Support	•	

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Wireless Function	Multiple SSIDs	24 (8 on each band)
	Channel	EU: 2G: 1~13; 5G: 36~140; 6G: 33~93 US: 2G:1~11; 5G: 36~165; 6G: 33~233
	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	2*2 DL/UL MU-MIMO
	MIMO	2*2 (2G/5G/6G) MU-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	802.11be	2G Band: 8Mbps to 688Mbps(MCS0-MCS13,NSS=1 to 2 BE20/40) 5G Band: EU: 8Mbps to 2882Mbps(MCS0—MCS13,NSS=1 to 2 BE20/40/80/160) US: 8Mbps to 4324Mbps(MCS0—MCS13,NSS=1 to 2 BE20/40/80/160/240) 6G Band: 8Mbps to 5765Mbps(MCS0—MCS13,NSS=1 to 2 BE20/40/80/160/320)
	802.11ax	2G Band: 8Mbps to 574Mbps(MCS0—MCS11,NSS=1 to 2 HE20/40) 5G Band: 8Mbps to 2402Mbps(MCS0—MCS11, NSS=1 to 2 HE20/40/80/160) 6G Band: 8Mbps to 2402Mbps(MCS0—MCS11, NSS=1 to 2 HE20/40/80/160)
	802.11ac	6.5Mbps to 2166.7Mbps(MCS0—MCS11,NSS=1 to 2 VHT20/40/80/160)
	802.11n	6.5Mbps to 300Mbps(MCS0—MCS15,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

Model		Festa F76
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	•
	Email Alerts	-
Physical & Environment	Power Supply	802.3at PoE or 12V/2.5A DC DC Power Adapter Is Not Included
	Maximum Power Consumption	EU: 24.05 W (For PoE); 20.92 W (For DC); US: 25.44 W (For PoE); 22.57 W (For DC);
	Reset	•
	Mounting	Ceiling / Wall mouting (Kits included)
	Certifications	CE, FCC, RoHS, IC
	Dimensions (W x D x H)	220 x 220 x 33.9 mm
	Net Weight	697.6g
	Enclosure Material / Rack Material	Top cover: PC Bottom shell: aluminum alloy Mounting rack: stainless steel
	Lightning Protection	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

Festa F76



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. The 320 MHz bandwidth is only available on the 6 GHz band. Simultaneously, the 320 MHz bandwidth on the 6 GHz band and 160 MHz bandwidth on the 5 GHz band may be unavailable in some regions/countries due to regulatory restrictions. Double channel width and speed refer to 320 MHz compared to 160 MHz for WiFi 6 routers. Actual wireless data throughput, wireless coverage, and connected devices are not guaranteed and will vary as a result of internet service provider factors, network conditions, client limitations, and environmental factors, including building materials, obstacles, volume and density of traffic, and client location.
- * Use of Wi-Fi 7 (802.11be), Wi-Fi 6 (802.11ax), and features including 320 MHz Bandwidth, 6 GHz, 4K-QAM, Multi-RUs, OFDMA, MU-MIMO and BSS Color requires clients to also support the corresponding features.
- * 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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