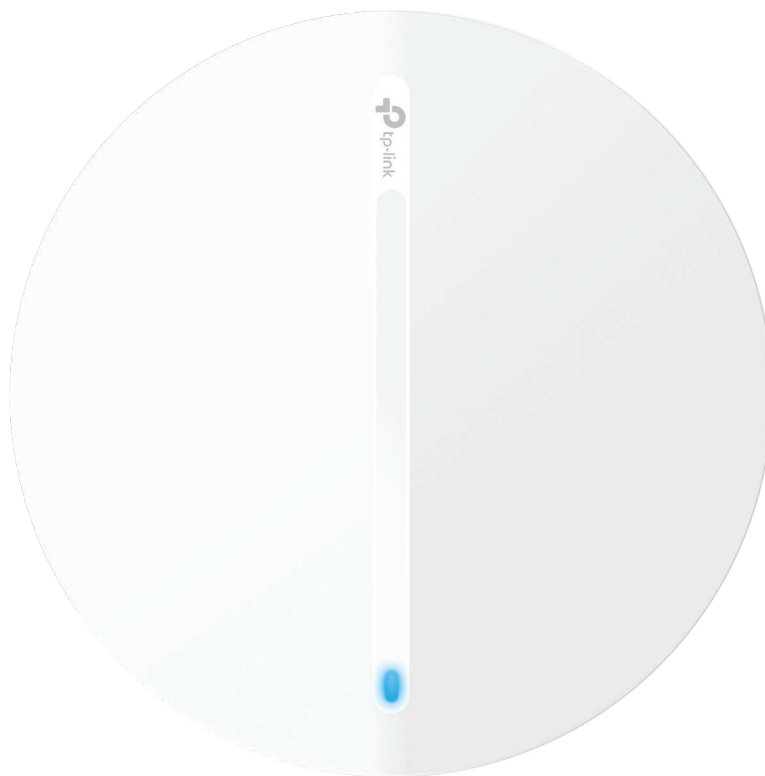


# Festa AP | Datasheet

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## Festa F65

AX3000 Ceiling Mount 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\*
- 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
- Mesh & Seamless Roaming enable smooth wireless connectivity
- 1× GE PoE Port & Ultra-Slim Design (Φ6.3 in × 1.5 in) for flexible installation

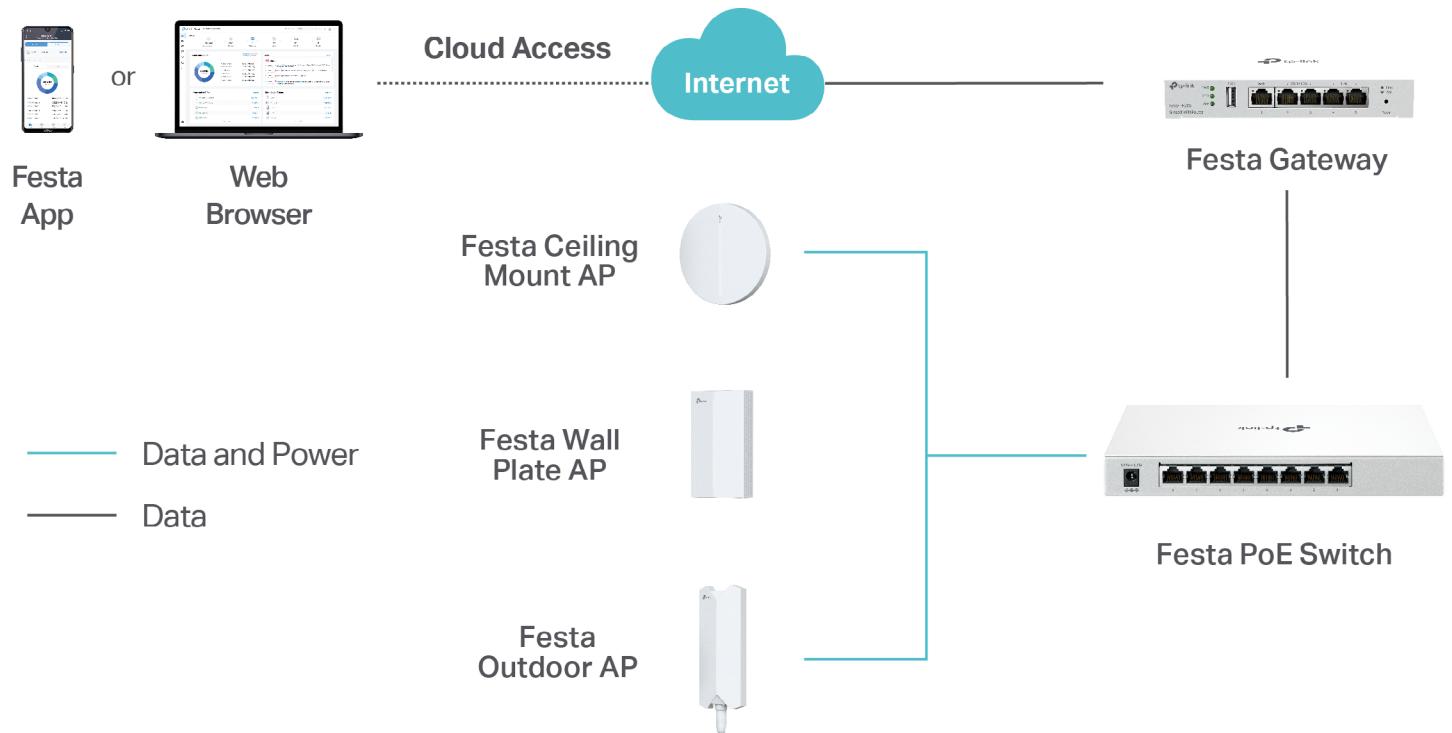
# Festa Solution

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

Free Cloud Centralized Management\*

Easy Maintenance



# Specifications

| Model                  |                                    | Festa F65                                                                                                                                                                                                                                                                                                                    |
|------------------------|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name                   |                                    | AX3000 Ceiling Mount Wi-Fi 6 Access Point                                                                                                                                                                                                                                                                                    |
| Main Design            | LAN Interfaces                     | 1x Gigabit Ethernet Port                                                                                                                                                                                                                                                                                                     |
|                        | Wi-Fi Standards                    | IEEE 802.11 a/b/g/n/ac/ax                                                                                                                                                                                                                                                                                                    |
|                        | Maximum Data Rate                  | 574 Mbps (2.4 GHz)<br>+2402 Mbps (5 GHz)                                                                                                                                                                                                                                                                                     |
|                        | Wireless Client Capacity           | 250+                                                                                                                                                                                                                                                                                                                         |
|                        | Antennas                           | 2.4 GHz: 2x 3 dBi<br>5 GHz: 3x 5 dBi (one auxiliary antenna included)                                                                                                                                                                                                                                                        |
|                        | Transmit Power                     | CE: < 20 dBm(2.4 GHz, EIRP); <23 dBm (5 GHz,band 1&band 2,EIRP); < 27 dBm(5 GHz, band 3,EIRP);<br>FCC: < 24 dBm(2.4 GHz); < 25dBm (5 GHz)                                                                                                                                                                                    |
|                        | Reception Sensitivity              | 2.4G:<br>11ax HE20MCS0:-95.5dBm; 11ax HE20MCS11:-66dBm;<br>11ax HE40MCS0:-93.5dBm; 11ax HE40MCS11:-63.5dBm<br>5G:<br>11ax HE20MCS0:-94dBm; 11ax HE20MCS11:-64dBm;<br>11ax HE40MCS0:-91.5dBm; 11ax HE40MCS11:-61.5dBm;<br>11ax HE80MCS0:-88.5dBm; 11ax HE80MCS11:-59dBm;<br>11ax HE160MCS0:-85.5dBm; 11ax HE160MCS11:-56.5dBm |
| 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                                                                                                                                                                                                                                                  |
|                        | 802.1X Support                     | •                                                                                                                                                                                                                                                                                                                            |

| Model              |                               | Festa F65                                                                                                                                                                                              |
|--------------------|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Wireless Function  | Multiple SSIDs                | 16 (8 on each band)                                                                                                                                                                                    |
|                    | Channel                       | EU:<br>2G:1-13; 5G: 36,40,44,48,52,56,60,64,100,104,108,112,116,120,124,128,132,136,140<br>US:<br>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                       | 2*2 MU-MIMO DL&UL                                                                                                                                                                                      |
|                    | MIMO                          | 2*2 (2.4G and 5G) MU-MIMO<br>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-MCS11, 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                                                                                                                                                                      |

| Model                  |                                    | Festa F65                                                                                                                                                                                          |
|------------------------|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                       | 48V Passive PoE or 802.3at PoE or 12V/1.2A DC                                                                                                                                                      |
|                        | Maximum Power Consumption          | EU: 13.3 W (For PoE); 11.8 W (for DC)<br>US: 14.7 W (For PoE); 12.6 W (for DC)                                                                                                                     |
|                        | Reset                              | •                                                                                                                                                                                                  |
|                        | Mounting                           | Ceiling / Wall mouting (Kits included) / Junction Box mouting                                                                                                                                      |
|                        | Certifications                     | CE, FCC, RoHS, IC                                                                                                                                                                                  |
|                        | Dimensions (W x D x H)             | 160 x 160 x 38.5 mm                                                                                                                                                                                |
|                        | Net Weight                         | 372g                                                                                                                                                                                               |
|                        | Enclosure Material / Rack Material | Top cover: PC<br>Bottom shell: aluminum alloy<br>Mounting rack: stainless steel                                                                                                                    |
|                        | Lightning Protection               | Air discharge: ±8kV<br>Contact discharge: ±4kV<br>Common mode 10/700: ±4kV                                                                                                                         |
|                        | Environment                        | Operating Temperature: 0 °C–40 °C (32 °F–104 °F);<br>Storage Temperature: -40 °C–70 °C (-40 °F–158 °F);<br>Operating Humidity: 10%–90% non-condensing;<br>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.

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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