

# EAP | Datasheet

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## EAP723

US: BE5000 Ceiling Mount Wi-Fi 7 Access Point

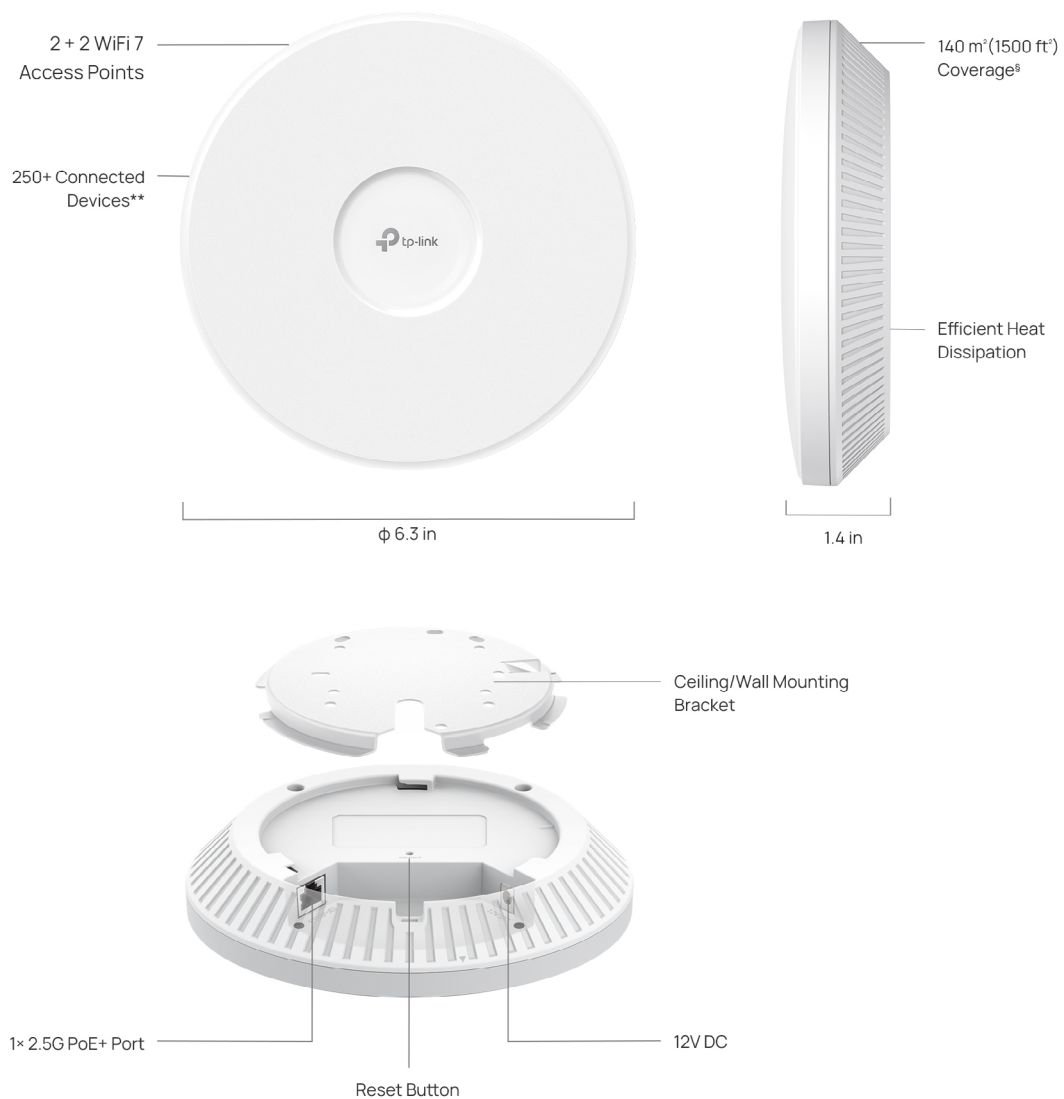
EU: BE3600 Ceiling Mount Wi-Fi 7 Access Point



## Highlights

- BE5000 Dual-Band Wi-Fi 7 for US and BE3600 Dual-Band Wi-Fi 7 for EU\*
- 1× 2.5G port unlocks the full potential of Wi-Fi 7.
- 240 MHz bandwidth for US / 160 MHz bandwidth for EU enables many more simultaneous transmissions.\*
- Multi-RUs ensure the high performance of your network.\*
- Advanced Functions: Centralized management, Mesh, and Seamless Roaming.\*

# Product Pictures

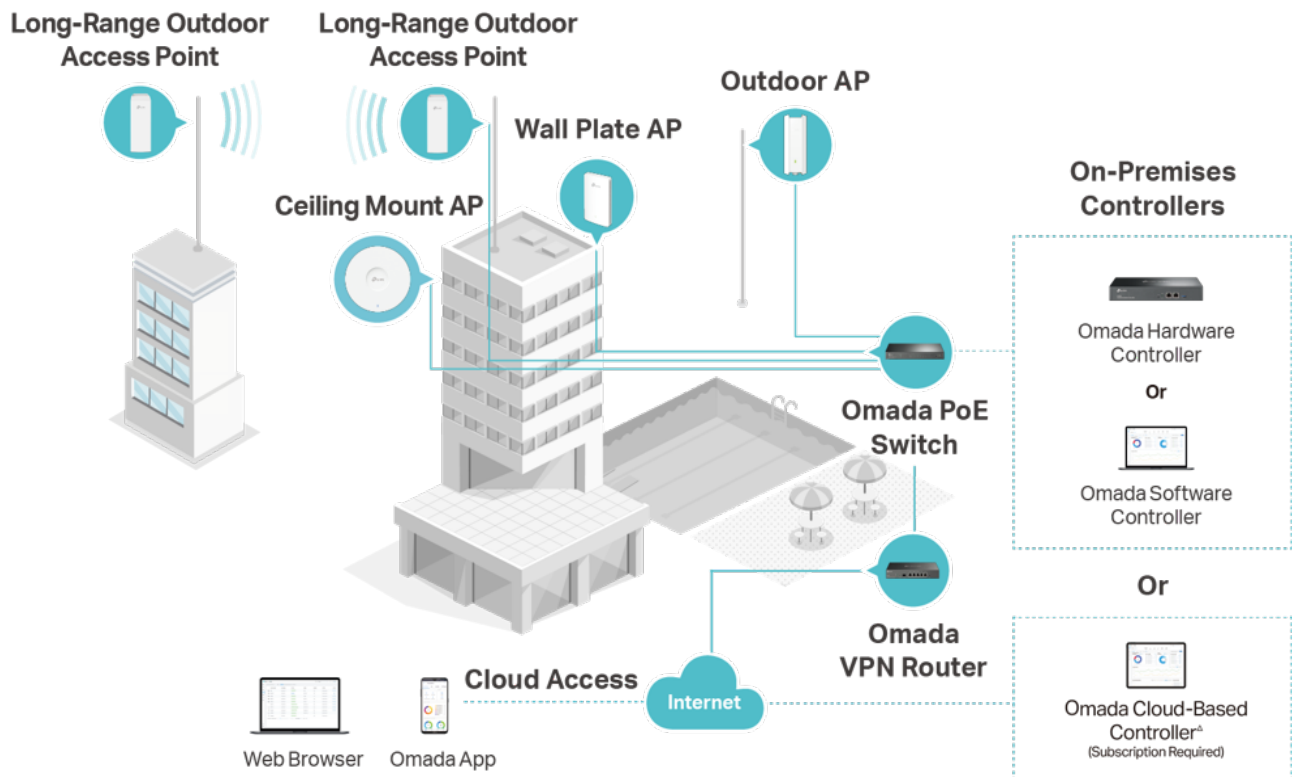


\*\*The actual capacity depends on the wireless environment and client traffic and is generally less than the maximum number of client connections.

§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.

# Omada Solution

Omada's Software Defined Networking (SDN) platform integrates network devices, including access points, switches, and gateways, providing 100% centralized cloud management. Omada creates a highly scalable network—all controlled from a single interface.



# Specifications

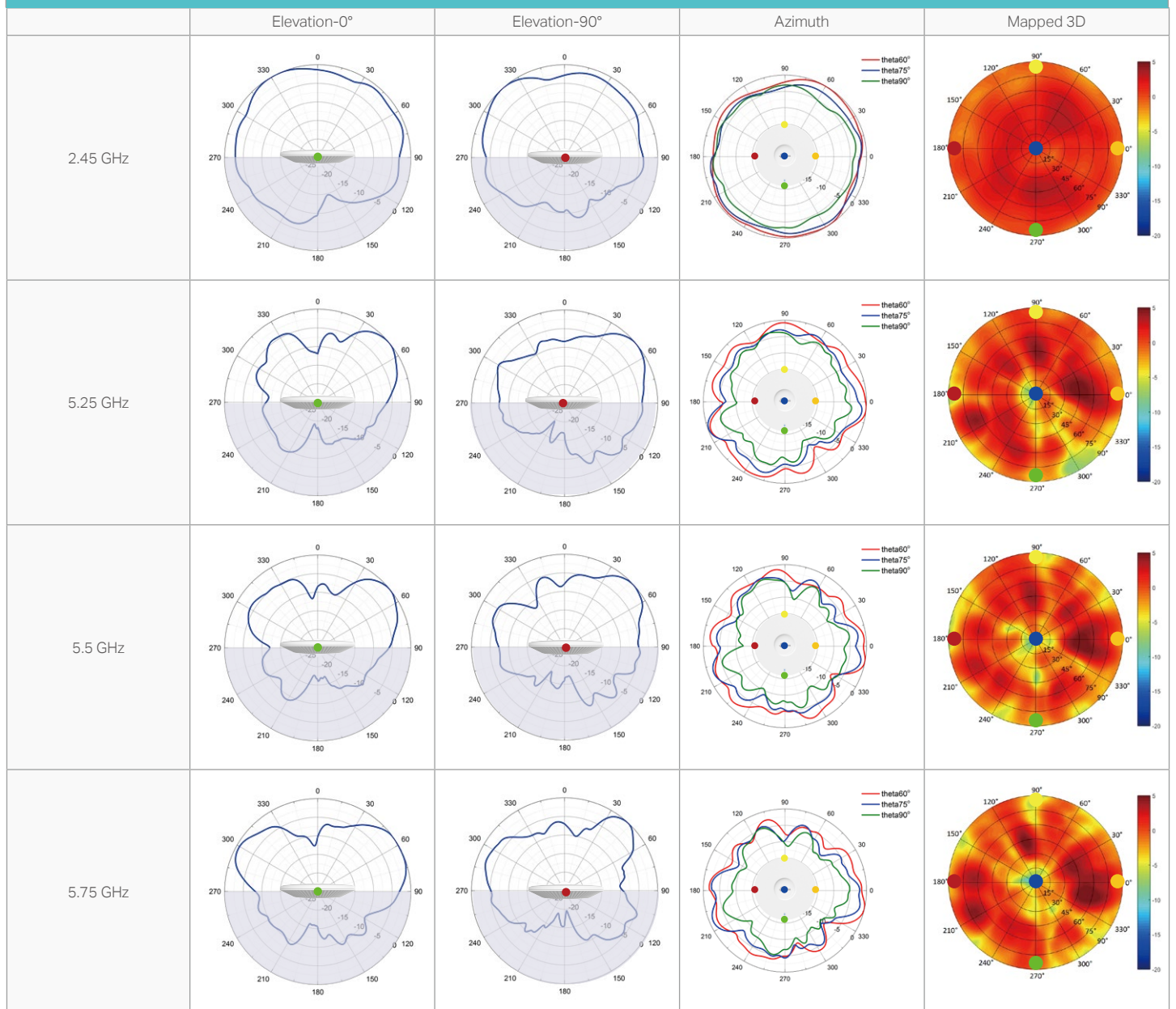
|                        |                                    |                                                                                                                                                                                                                                                                                                                                                  |
|------------------------|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model                  |                                    | EAP723                                                                                                                                                                                                                                                                                                                                           |
| Name                   |                                    | US: BE5000 Ceiling Mount Wi-Fi 7 Access Point<br>EU: BE3600 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)<br>EU: 688 Mbps (2.4 GHz) + 2882 Mbps (5 GHz)                                                                                                                                                                                                                                                         |
|                        | Wireless Client Capacity           | 2.4 GHz: 128, 5 GHz: 128                                                                                                                                                                                                                                                                                                                         |
|                        | Antennas                           | 2.4 GHz: 2 × 4dBi, 5 GHz: 2 × 5dBi                                                                                                                                                                                                                                                                                                               |
|                        | Bluetooth                          | 1 × 3dBi, Bluetooth 5.2                                                                                                                                                                                                                                                                                                                          |
|                        | 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)<br>FCC: <25dBm (2.4 GHz); <25dBm (5 GHz Band1&Band4); <24dBm (5 GHz Band2&Band3)                                                                                                                                                             |
|                        | Reception Sensitivity              | 2.4GHz:<br>11be EHT20 MCS0: -97dBm; 11be EHT20 MCS11: -66dBm<br>11be EHT40 MCS0: -93dBm; 11be EHT40 MCS11: -64dBm<br>5GHz:<br>11be EHT20 MCS0:-96.5dBm; 11be EHT20 MCS13:-64.5dBm<br>11be EHT40 MCS0:-92dBm; 11be EHT40 MCS13:-61.5dBm<br>11be EHT80 MCS0:-89dBm; 11be EHT80 MCS13:-59dBm<br>11be EHT160 MCS0:-86.5dBm; 11be EHT160 MCS13:-57dBm |
| Centralized Management | Omada Software Controller          | •                                                                                                                                                                                                                                                                                                                                                |
|                        | Omada Hardware Controller          | •                                                                                                                                                                                                                                                                                                                                                |
|                        | Omada 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                                                                                                                                                                                                                                                                      |

| Model              |                               | EAP723                                                                                                                                                                                                        |
|--------------------|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Wireless Function  | Multiple SSIDs                | 16 (8 on each band)                                                                                                                                                                                           |
|                    | Channel                       | EU: 2.4 GHz: 1~13; 5 GHz: 36~140<br>US: 2.4 GHz: 1~11; 5 GHz: 36~165                                                                                                                                          |
|                    | Enable/Disable Wireless Radio | •                                                                                                                                                                                                             |
|                    | Enable/Disable SSID Broadcast | •                                                                                                                                                                                                             |
|                    | Guest Network                 | •                                                                                                                                                                                                             |
|                    | Automatic Channel Assignment  | •                                                                                                                                                                                                             |
|                    | Transmit Power Control        | Adjust transmit Power on dBm                                                                                                                                                                                  |
|                    | QoS (WMM)                     | •                                                                                                                                                                                                             |
|                    | Seamless Roaming              | •                                                                                                                                                                                                             |
|                    | Mesh                          | •                                                                                                                                                                                                             |
|                    | Beamforming                   | •                                                                                                                                                                                                             |
|                    | MU-MIMO                       | -                                                                                                                                                                                                             |
|                    | MIMO                          | 2*2 (2.4 GHz/5 GHz) MIMO                                                                                                                                                                                      |
|                    | OFDMA                         | DL/UL 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          | •                                                                                                                                                                                                             |
| Support Data Rates | 802.11be                      | 2.4 GHz Band: 8Mbps to 688Mbps(MCS0-MCS13,NSS=1 to 2 BE20/40)<br>5 GHz Band: EU: 8Mbps to 2882Mbps(MCS0—MCS13,NSS=1 to 2 EHT20/40/80/160)<br>US: 8Mbps to 4324Mbps(MCS0—MCS13,NSS=1 to 2 EHT20/40/80/160/240) |
|                    | 802.11ax                      | 2.4 GHz Band: 8Mbps to 574Mbps(MCS0—MCS11,NSS=1 to 2 HE20/40)<br>5 GHz 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                  |                                    | EAP723                                                                                                                                                                                             |
|------------------------|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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/1.5A DC<br>DC Power Adapter Is Not Included                                                                                                                                     |
|                        | Maximum Power Consumption          | EU: 16.8W (For PoE); 13.0W (For DC)<br>US: 17.8W (For PoE); 14.0W (For DC)                                                                                                                         |
|                        | Reset                              | •                                                                                                                                                                                                  |
|                        | Mounting                           | Ceiling / Wall mouting (Kits included)                                                                                                                                                             |
| Others                 | Certifications                     | CE, FCC, RoHS, IC                                                                                                                                                                                  |
|                        | Dimensions (W x D x H)             | 160 x 160 x 36.7 mm                                                                                                                                                                                |
|                        | Net Weight                         | 410g                                                                                                                                                                                               |
|                        | Enclosure Material / Rack Material | Top cover: PC<br>Bottom shell: aluminum alloy<br>Mounting rack: stainless steel                                                                                                                    |
|                        | Lightning Protection               | 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; |

# Antenna Radiation Patterns

EAP723 V2



# Disclaimers

- \* 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 Wi-Fi 7 (802.11be) and features including 240 MHz Bandwidth / 160 MHz Bandwidth, 4K-QAM, Multi-RUs, and OFDMA 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.
- \* Omada Mesh, Seamless Roaming, Captive Portal, and Cloud Access require the use of an Omada SDN controller. Please refer to the User Guides of Omada SDN controllers for configuration methods.
- \* 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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