

Omada

Business Cloud SDN Solution

Omada EAP - Business Wi-Fi Series




Omada SDN Controller



EAP610

EAP Product List

Ceiling Mount 802.11ax Wi-Fi 6 AP

| | |
|-------------------|---|
| Picture |  |
| Model | EAP610 |
| Product | AX1800 Ceiling Mount Dual-Band Wi-Fi 6 Access Point |
| Speed | 2.4 GHz: 574 Mbps 5 GHz: 1201 Mbps |
| Ethernet Port | 1x Gigabit Ethernet Port |
| Power Supply | V3 & V1: 48V Passive PoE or 802.3at PoE or 12V/1A DC V2: 48V Passive PoE or 802.3at PoE or 12V/1.5A DC |
| Internal Antennas | 2.4 GHz: 2x 4 dBi 5 GHz: 2x 5 dBi |

Specifications

Ceiling Mount 802.11ax Wi-Fi 6 AP

| | | |
|------------------------|------------------------------------|---|
| Model | | EAP610 |
| Name | | AX1800 Ceiling Mount Dual-Band 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) +1201 Mbps (5 GHz) |
| | Wireless Client Capacity | 250+ |
| | Antennas | 2.4 GHz: 2x 4 dBi 5 GHz: 2x 5 dBi |
| | Transmit Power | CE: < 20 dBm (2.4 GHz, EIRP); < 23 dBm (5 GHz, band 1&band 2, EIRP); < 30 dBm (5 GHz, band 3, EIRP); FCC: < 25 dBm (2.4 GHz); < 25 dBm (5 GHz) |
| 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 |
| 802.1X Support | • | |
| Wireless Function | Multiple SSIDs | 16 (8 on each band) |
| | 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 | • |
| | 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 | • | |









Ceiling Mount 802.11ax Wi-Fi 6 AP

| Model | | EAP610 |
|-------------------------------|---------------------------|---|
| Support Data Rates | 802.11ax | 8 Mbps to 1201 Mbps (MCS0-MCS11, NSS = 1 to 2 HE20/40/80) |
| | 802.11ac | 6.5 Mbps to 1083.3 Mbps (MCS0-MCS11, NSS = 1 to 2 VHT20/40/80) |
| | 802.11n | 6.5 Mbps to 300 Mbps (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 |
| | 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 | V1 & V3: 48V Passive PoE or 802.3at PoE or 12V/1A DC V2: 48V Passive PoE or 802.3at PoE or 12V/1.5A DC |
| | Maximum Power Consumption | V1: EU: 12.8 W (For PoE); 10.8 W (for DC) US: 13.9 W (For PoE); 11.8 W (for DC) V2: EU: 13.7 W (For PoE); 12.3 W (for DC) US: 14.2 W (For PoE); 12.8 W (for DC) V3: EU: 10.6W (For PoE); 9.6W (for DC) US: 10.9W (For PoE); 9.8W (for DC) |
| | Reset | • |
| | Mounting | Ceiling / Wall mouting (Kits included) / Junction Box mouting |
| Certifications | CE, FCC, RoHS, IC | |
| Dimensions (W x D x H) | Dimensions (W x D x H) | 160 x 160 x 33.6 mm |
| | 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

Ceiling Mount AP

EAP610

| | Elevation-0° | Elevation-90° | Azimuth | Mapped 3D |
|----------|---|---|---------|-----------|
| 2.45 GHz |  |  | | |
| 5.25 GHz |  |  | | |
| 5.5 GHz |  |  | | |
| 5.75 GHz |  |  | | |