

Omada

# Business Cloud SDN Solution

## Omada EAP - Business Wi-Fi Series:

EAP690E HD / EAP670 / EAP660 HD / EAP653 / EAP650 / EAP620 HD / EAP613 / EAP610 / EAP265 HD / EAP245 / EAP225 / EAP223 / EAP115 / EAP110 / EAP655-Wall / EAP650-Wall / EAP615-Wall / EAP235-Wall / EAP230-Wall / EAP225-Wall / EAP115-Wall / EAP650-Outdoor / EAP610-Outdoor / EAP225-Outdoor / EAP110-Outdoor



Omada SDN Controller



EAP690E HD  
EAP670  
EAP660 HD



EAP655-Wall



EAP615-Wall  
EAP235-Wall  
EAP225-Wall



EAP650-Outdoor  
EAP610-Outdoor



EAP265 HD  
EAP245



EAP650-Wall



EAP230-Wall  
EAP115-Wall



EAP225-Outdoor  
EAP110-Outdoor

## Ceiling Mount 802.11n/ac AP

| Picture           |  |  |  |                      |  |  |
|-------------------|---|---|---|--|---|---|
| Model             | EAP265 HD   | EAP245  | EAP225  | EAP223   | EAP115  | EAP110  |
| Product           | AC1750 Wireless MU-MIMO Gigabit Ceiling Mount Access Point                        | AC1750 Wireless MU-MIMO Gigabit Ceiling Mount Access Point                        | AC1350 Wireless MU-MIMO Gigabit Ceiling Mount Access Point                        | AC1350 Wireless MU-MIMO Gigabit Ceiling Mount Access Point   | 300Mbps Wireless N Ceiling Mount Access Point                                       | 300Mbps Wireless N Ceiling Mount Access Point                                       |
| Speed             | 2.4 GHz: 450Mbps<br>5 GHz: 1300Mbps   | 2.4 GHz: 450Mbps<br>5 GHz: 1300Mbps   | 2.4 GHz: 450Mbps<br>5 GHz: 867Mbps  | 2.4 GHz: 450Mbps<br>5 GHz: 867Mbps   | 2.4 GHz: 300Mbps  | 2.4 GHz: 300Mbps  |
| Ethernet Port     | 2x Gigabit Ethernet Port  | 2x Gigabit Ethernet Port  | 1x Gigabit Ethernet Port  | 1x Gigabit Ethernet Port   | 1x 10/100Mbps Ethernet Port   | 1x 10/100Mbps Ethernet Port   |
| Power Supply      | 802.3af PoE / 48 V Passive PoE  | 802.3af PoE / 48 V Passive PoE  | V4: 802.3af PoE /24V Passive PoE<br>V5: 802.3af/at PoE/48 V Passive PoE           | V1: 802.3af/at PoE/48 V Passive PoE<br>V2: 802.3af PoE /24V Passive PoE<br>PoE Adapter Is Not Included | 802.3af PoE / External 9 V/0.6 A DC power supply                                    | 24V Passive PoE   |
| Internal Antennas | 2.4 GHz: 3x 3.5 dBi<br>5 GHz: 3x 4 dBi  | 2.4 GHz: 3x 3.5 dBi<br>5 GHz: 3x 4 dBi  | 2.4 GHz: 3x 4 dBi<br>5 GHz: 2x 5 dBi  | 2.4 GHz: 3x 4 dBi<br>5 GHz: 2x 5 dBi   | 2x 4 dBi  | 2x 4 dBi  |

## Ceiling Mount 802.11n/ac AP

| Model                  |                                    | EAP265 HD   | EAP245  | EAP225  | EAP223  | EAP115                                 | EAP110                                 |
|------------------------|------------------------------------|---|---|---|---|--|--|
| Name                   |                                    | AC1750<br>Wireless MU-MIMO Gigabit<br>Ceiling Mount<br>Access Point                               | AC1750<br>Wireless MU-MIMO Gigabit<br>Ceiling Mount<br>Access Point                               | AC1350<br>Wireless MU-MIMO Gigabit<br>Ceiling Mount<br>Access Point                               | AC1350<br>Wireless MU-MIMO Gigabit<br>Ceiling Mount<br>Access Point                               | 300 Mbps<br>Wireless N<br>Access Point | 300 Mbps<br>Wireless N<br>Access Point |
| Main Design            | LAN Interfaces                     | 2x Gigabit Ethernet Port  |   | 1x Gigabit Ethernet Port  |   | 1x 10/100 Mbps Ethernet Port           |  |
|                        | Wi-Fi Standards                    | IEEE 802.11 a/b/g/n/ac  |   |   |   | IEEE 802.11 a/b/g/n                    |  |
|                        | Maximum Data Rate                  | 450 Mbps (2.4 GHz) + 1300 Mbps (5 GHz)  |   | 450 Mbps (2.4 GHz) + 876 Mbps (5 GHz)   |   | 300 Mbps (2.4 GHz)                     |  |
|                        | Concurrent Clients                 | 500+  | 220+  | 220+  | 220+  | 100+                                   |  |
|                        | Antennas                           | 2.4G: 3x 3.5 dBi<br>5GHz: 3x 4 dBi  | 2.4 GHz: 3x 3.5 dBi, 5 GHz: 3x 4 dBi  | 2.4 GHz: 3x 4 dBi, 5 GHz: 2x 5 dBi  | 2.4 GHz: 3x 4 dBi, 5 GHz: 2x 5 dBi  | 2x 4 dBi                               |  |
|                        | Transmit Power                     | CE: < 20 dBm (2.4 GHz, EIRP); < 28 dBm (5 GHz, EIRP)<br>FCC: < 24 dBm (2.4 GHz); < 24 dBm (5 GHz) | CE: < 20 dBm (2.4 GHz, EIRP); < 28 dBm (5 GHz, EIRP)<br>FCC: < 24 dBm (2.4 GHz); < 24 dBm (5 GHz) | CE: < 20 dBm (2.4 GHz, EIRP); < 27 dBm (5 GHz, EIRP)<br>FCC: < 24 dBm (2.4 GHz); < 22 dBm (5 GHz) | CE: < 20 dBm (2.4 GHz, EIRP); < 27 dBm (5 GHz, EIRP)<br>FCC: < 24 dBm (2.4 GHz); < 22 dBm (5 GHz) | CE: < 19 dBm (EIRP), FCC: < 21 dBm     |  |
| 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   |   |   |   |  |  |
|                        | 802.1X Support                     | •   |   |   |   |  |  |

## Ceiling Mount 802.11n/ac AP

| Model                |                               | EAP265 HD  | EAP245 | EAP225   | EAP223 | EAP115                                     | EAP110 |
|----------------------|-------------------------------|--|--------|--|--------|--|--------|
| Wireless Function    | Multiple SSIDs                | 16 (8 on each band)<br>*15 SSIDs (8 for 2.4GHz, 7 for 5GHz): EAP225 V5, EAP223 V1, EAP245 V4 |        |  |        | 8  |        |
|                      | 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 | •                             |  |        |  |        |  |        |
| Support Data Rates   | 802.11ac                      | 6.5 Mbps to 1300 Mbps (MCS0-MCS9, NSS = 1 to 3 VHT20/40/80)                                  |        | 6.5 Mbps to 867 Mbps (MCS0-MCS9, NSS = 1 to 2 VHT20/40/80) |        | -  |        |
|                      | 802.11n                       | 6.5 Mbps to 450 Mbps (MCS0-MCS23, HT20/40)   |        |  |        | 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  |        |  |        |  |        |
|                      | SSH                           | •  |        |  |        |  |        |
|                      | Restore & Backup              | •  |        |  |        |  |        |
|                      | Firmware update via Web       | •  |        |  |        |  |        |
|                      | NTP                           | •  |        |  |        |  |        |
|                      | System Log                    | •  |        |  |        |  |        |
|                      | Email Alerts                  | •  |        |  |        |  |        |

## Ceiling Mount 802.11n/ac AP

| Model                  |                           | EAP265 HD  | EAP245   | EAP225   | EAP223   | EAP115  | EAP110  |
|------------------------|---------------------------|--|--|--|--|---|---|
| Physical & Environment | Power Supply              | 802.3af PoE or 48 V Passive PoE (+4,5 pins; -7,8 pins. PoE Adapter Included)   | 802.3af PoE or 48 V Passive PoE (+4,5 pins; -7,8 pins. PoE Adapter Included) | V4: 802.3af PoE or 24V Passive PoE (+4,5pins; -7,8 pins. PoE Adapter Included)<br>V5: 802.3af/ at PoE or 48 V Passive PoE (+4,5 pins; -7,8 pins. PoE Adapter Included) | V1: 802.3af/ at PoE or 48 V Passive PoE (+4,5 pins; -7,8 pins)<br>V2: 802.3af PoE or 24V Passive PoE (+4,5pins; -7,8 pins) PoE Adapter Is Not Included | 802.3af PoE or external 9 V/0.6 A DC power supply | 24 V Passive PoE (+4,5 pins; -7,8 pins. PoE Adapter Included) |
|                        | Maximum Power Consumption | 12.3 W   | 12.3 W   | V4: 12.6W<br>V5: EU: 9.7W (802.3at PoE or Passive PoE)<br>US: 12.1W (802.3at PoE or Passive PoE)   | V1: EU: 9.7W (802.3at PoE or Passive PoE)<br>US: 12.1W (802.3at PoE or Passive PoE)<br>V2: 12.6W   | 3.1 W   | 2.8 W   |
|                        | Reset                     | •  |  |  |  |   |   |
|                        | Mounting                  | Ceiling/Wall mounting (Kits included)  |  |  |  |   |   |
| Others                 | Certifications            | CE, FCC, RoHS  |  |  |  |   |   |
|                        | Dimensions (W x D x H)    | 205.5 x 181.5 x 37.1 mm  |  |  |  | 189.4 x 172.3 x 29.5 mm                           |   |
|                        | 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 |  |  |  |   |   |