

WEA412i



| | | | | | | | |
|-----------------------------------|--|---------|-------|------|-------|-------|-------|
| Radio Specifications | 802.11a/b/g/n/ac Dual concurrent radio 2 x 2 MIMO, 2 spatial streams PHY data rates up to 866 Mbps Dynamic frequency selection (DFS) 802.11n high throughput (HT20/40) 802.11ac high throughput (HT20/40/80) | | | | | | |
| Operation Mode | Controlled Mode, Stand-alone Mode | | | | | | |
| Supported Wireless LAN Controller | WEC8500 Series WEC8050 Series | | | | | | |
| Data Rates | 802.11a : 6,9,12,18,24,36,48 and 54 Mbps 802.11g : 1, 2, 5.5, 6, 9, 11, 12, 18, 24, 36, 48 and 54 Mbps 802.11n : MCS 0 to MCS 15 (6.5 Mbps ~ 300 Mbps) 802.11ac : MCS 0 to MCS 9 (6.5 Mbps ~ 866 Mbps) | | | | | | |
| Frequency Band | 802.11b/g/n : 2.412 GHz ~ 2.472 GHz 13 CH 802.11a/n/ac : 5.180 GHz ~ 5.825 GHz 24 CH * Available channel is compliant with local domain regulatory | | | | | | |
| Maximum Transmit Power | 20 dBm @ 2 streams (3 ~ 20 dBm) * The maximum transmit power will vary by channel and according to individual country regulation | | | | | | |
| Receive Sensitivity | Rate | 2.4 GHz | 5 GHz | | | | |
| | | HT20 | HT20 | HT40 | VHT20 | VHT40 | VHT80 |
| | MCS 0 | -91 | -93 | -90 | | | |
| | MCS 7 | -71 | -73 | -70 | | | |
| | MCS 8 | -88 | -90 | -87 | | | |
| | MCS 15 | -68 | -70 | -67 | | | |
| | MCS 0/NSS1 | | | | -93 | -90 | -86 |
| | MCS 7/NSS1 | | | | -73 | -70 | -67 |
| | MCS 8/NSS1 | | | | -68 | -66 | -63 |
| | MCS 9/NSS1 | | | | NA | -64 | -61 |
| | MCS 0/NSS2 | | | | -90 | -87 | -83 |
| | MCS 7/NSS2 | | | | -70 | -67 | -64 |
| | MCS 8/NSS2 | | | | -65 | -63 | -60 |
| | MCS 9/NSS2 | | | | NA | -61 | -58 |
| | 802.11 b | | | | | | |
| 1 Mbps | -96 | | | | | | |
| 11 Mbps | -88 | | | | | | |
| 802.11 a/g | | | | | | | |
| 6 Mbps | -93 | -93 | | | | | |
| 54 Mbps | -74 | -75 | | | | | |

WEA412i



| | |
|--------------------------|--|
| Integrated Antenna | 2.4 GHz : 3.0 dBi 5 GHz : 5.5 dBi |
| Antenna Type | Internal Type |
| Interfaces | 2 * 10/100/1000BASE-T (PoE 1 port) 1 * Console interface |
| Dimensions | Diameter x Height : 205 x 45 (mm) |
| Weight | 790g |
| Environmental | Storage temperature : -25°C ~ +70°C Operating temperature : 0°C ~ +45°C Operating humidity : 0~90% (noncondensing) |
| Input Power Requirements | IEEE 802.3af PoE : 44 to 57 VDC |
| Powering Options | Local power supply : 48V/0.75A |
| Power Draw | 11.5W |
| Compliance Standards | <ul style="list-style-type: none"> • Safety : <ul style="list-style-type: none"> UL 60950-1 UL 2043 IEC 60950-1 EN 60950-1 EMI and susceptibility (Class B) FCC Part 15.107 and 15.109 EN 301 489-1 and -17 (Europe) KN 301 489-1/KN 301 489-17 (Korea) • Radio approvals : <ul style="list-style-type: none"> FCC Part 15.247, 15.407 EN 300 328, EN 301 893(Europe) Radio Equipment Specifications (Korea) • EAP type (s) : <ul style="list-style-type: none"> Extensible Authentication Protocol - Transport Layer Security (EAP-TLS) EAP-Tunneled TLS (TTLS) or Microsoft Challenge Handshake Authentication Protocol Version 2 (MSCHAPv2) Protected EAP (PEAP) v0 or EAP - MSCHAPv2 Extensible Authentication Protocol - Flexible Authentication via Secure Tunneling (EAP-FAST) PEAPv1 or EAP-Generic Token Card (GTC) EAP-Subscriber Identity Module (SIM) • Multimedia : <ul style="list-style-type: none"> Wi-Fi Multimedia (WMM) WMM-PS |
| Part Number | <ul style="list-style-type: none"> • AP type WDS-A412I / KOR, / XAR, / EUS • Mounting kit WDS-300CK / KOR, / XAR, / EUS : Ceiling mounting kit |