

Access Point

WEA412h

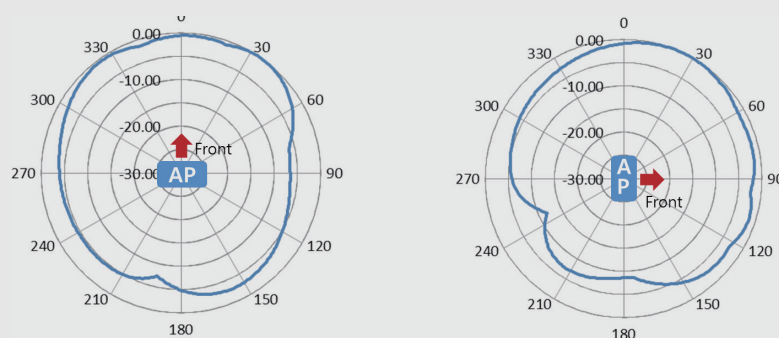


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| Radio Specifications | IEEE802.11a/b/g/n/ac Dual concurrent radio 2 x 2 MIMO, 2 spatial streams PHY data rates up to 867Mbps (5 GHz) 802.11n high throughput (HT20) 802.11ac very high throughput (VHT20/40/80) Dynamic frequency selection (DFS) |
| Data Rates | 802.11b: 1, 2, 5.5 and 11 Mbps 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 to 144.4 Mbps) 802.11ac: MCS 0 to MCS 9 (6.5 Mbps to 867 Mbps) |
| Frequency | 802.11b/g/n: 2.400 GHz to 2.483.5 GHz 13 CH 802.11a/n/ac: 5.150 GHz to 5.825 GHz 25 CH * Available Channels are compliant with local regulations |
| Channel Bandwidth | 20MHz, 40MHz, 80MHz |
| # of BSSID | 16 per radio |
| Maximum Transmit Power | 22 dBm with 2 streams (19 dBm/Path) * The maximum transmit power will vary by channel and according to individual country regulations |
| Antenna Gain | 2.4GHz : 2.5dBi, 5GHz : 3.5dBi |
| Maximum RX Sensitivity | -93 dBm (MCS0) |
| Security | IEEE 802.11i, WPA-PSK, WPA-TKIP, WPA2/AES 802.1x/EAP based Controller internal / external Radius, LDAP, Active Directory CAPWAP (DTLS encryption) WIDS (Hybrid mode) |
| Port | 10/100/1000BASE-T PoE Uplink port - PoE-PD (Input) : 802.3af/at PoE 4 x port 10/100/1000BASE-T ports (RJ-45) (LAN) - One port PoE-PSE (output) : 802.3af USB 2.0 A type connector - Beacon(BLE) USB radio dongle - USB-to-Serial Console - SW PKG Upgrade - Easy Installation Console port : Internal 1EA, (RS-232C type, 4pin Connector) |
| System | 256 MB DRAM 128 MB Flash 900MHz System CPU |
| Capacity | Concurrent Users : Up to 127 Concurrent Voice Calls : Up to 36 |
| Dimension | 96mm x 144mm x 36mm (without extension cover) |
| Weight | 330g |
| Environment | Storage temperature: -25 °C to +70 °C Operating temperature: 0 °C to +45 °C Operating humidity: 10 to 90 % (non-condensing) |
| Power Requirement | Adaptor : 48V, 750mA, 36W PoE : 802.3af (12.95W) / 802.3at (25.4W) One port PoE-PSE - 48 V AC/DC adaptor : 802.3af (15.4W) - 802.3at Input : 802.3af (10W) - 802.3af Input : Disable, USB : Disable |

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|-------------------|---|
| Power Draw | 12.8W (without PSE & USB activation) |
| LED | System start status, Provisioning status, Normal operation status, Fault status LED On/Off |
| Reset Button | Factory Reset |
| Pass-through Line | Cable hole/Guide for preserving legacy phone (e.g. PBX phones) |
| Lock Option | Kensington Lock Slot |
| Operating Mode | Controller based Mode (WEC-8500, WEC8050) - Central Switching / Local Switching Mode Hybrid Sniffer Mode Hybrid WIDS Mode : Monitor, Detection, Alert/Save, GUI Presentation Mesh Mode |
| QoS | 802.11e, WMM - 802.1p, DSCP QoS mapping |
| Ethernet Port | Port based 802.1x : Authenticator, Supplicant Port based VLAN : Trunk, Access, General Port |
| DHCP | Server / Client option |
| Mounting | Included Mounting bracket compatible to install to Single / Dual Gangbox - North America / EU Standard Single/Dual Gangbox Supporting Wall surface installation (Option : Wall surface bracket) |
| Part Number | Access Point : WDS-A412H/XXX * When ordering AP, you must specify the destination country by indicating "KOR", "XAR", "EUS", "RUS" instead of XXX Optional "Wall Surface bracket" |

2.4 GHz Internal Antenna Radiation Pattern



Antenna Radiation Pattern

5GHz Internal Antenna Radiation Pattern

