

DH-AWA6330-C

802.11ax Indoor Wireless Access Point



- 802.11ax Indoor Wireless Access Point.
- Internal Antennas 6 Streams Triple Radio.
- Up to 3.267 Gbps access rate.
- DL/UL MU-MIMO.
- OFDMA.
- RF Optimizing Engine.
- Maximum transmit power up to 20 dBm.
- Antenna gain up to 5 dBi.



System Overview

DH-AWA6330 series access point is the latest generation wireless access point developed based on 802.11ax standard. They are designed with creative triple-radio 802.11ax technology standard respectively, and provide a transmission speed at least 2 times faster than 802.11ac products. This makes the series suitable for high-density access scenarios, such as hotel, retail stores and smart enterprise campus. It is compact in appearance and supports both wall mounting and ceiling mounting.

Scene

It suitable for high-density access scenarios, such as hotel, retail stores and smart enterprise campus.

Technical Specification

Hardware

Weight (excluding mounting accessories)	0.94 kg (2.07 lb)
Dimensions (excluding mounting and accessories)	210 mm × 210 mm × 45 mm (8.27" × 8.27" × 1.77") (L × W × H)
Ethernet Ports	1 × 100M/1000M/2.5Gbps Base-T RJ-45 1 × 100M/1000 Mbps Base-T RJ-45
PoE	Port1 (2.5GE): 802.3at/802.3af Port2 (GE): PSE, 802.3af
Local Power Supply	54 VDC
Antenna	Built-in omni-directional antenna Radio 1 : 5dBi antenna gain @ 5G Radio 2 : 5dBi antenna gain @ 5G Radio 3 : 5dBi antenna gain @ 2.4G or 5dBi antenna gain @ 5G
Working Frequencies	802.11ax/ac wave2/ac/n/a: 5.725 GHz–5.850 GHz; 5.47 GHz–5.725 GHz; 5.15 GHz–5.35 GHz 802.11ax/b/g/n: 2.4 GHz–2.483 GHz MIMO-OFDM (11n): MCS 0-31 MIMO-OFDM (11ac): MCS 0-11 MIMO-OFDM (11ax): MCS 0-11
Modulation Mode	11b: DSS: CCK@5.5/11 Mbps, DQPSK@2 Mbps, DBPSK@1Mbps 11a/g: OFDM: 64QAM@48/54Mbps, 16QAM@24 Mbps, QPSK@12/18 Mbps, BPSK@6/9 Mbps 11n: MIMO-OFDM: BPSK, QPSK, 16QAM, 64QAM 11ac: MIMO-OFDM: BPSK, QPSK, 16QAM, 64QAM, 256QAM 11ax: MIMO-OFDM: BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM
Maximum Transmit Power	20 dBm
Reset/Restoration To Factory Default	Yes
State LED	Alternating flashing mode, orange/green/blue for different working states, breathing mode
Enviorment	Indoor

Working Temperature	-10 °C to 55 °C (14 °F to 131 °F)
Storage Temperature	-40 °C to 70 °C(-40 °F to +158 °F)
Working Humidity	5%–95% (non-condensing)
Storage Humidity	5%–95% (non-condensing)
Protection Class	IP42
EMC	CE EMC, CE RED
MTBF	>250000H

Software specifications

Compliance	Compliant with 802.11a/b/g/n/ac/wifi6e/ax
Working Frequencies And MIMO	<ul style="list-style-type: none"> 1. 5G (1) 2*2 MIMO 1.2 Gbps+5G (2) 2*2 MIMO 1.2 Gbps+5G (3) 2*2 MIMO 0.867 Gbps 2. 5G (1) 2*2 MIMO 1.2Gbps+5G (2) 2*2 MIMO 1.2 Gbps+2.4G 2*2 MIMO 0.4 Gbps 3. 5G (1) 2*2 MIMO 1.2Gbps+2.4G 2*2 MIMO 0.575 Gbps+5G(2) 2*2 MIMO 0.867 Gbps 4. 5G (1) 2*2 MIMO 1.2Gbps+2.4G (1) 2*2 MIMO 0.575 Gbps+2.4G (2) 2*2 MIMO 0.4 Gbps
Bandwidth	20 MHz/40 MHz/80 MHz
WLAN Basics	<ul style="list-style-type: none"> Maximum number of clients per radio: 512 Virtual APs: 32 Open system/shared key authentication Broadcast probe request acknowledge control Concurrent login of WPA, WPA2, WPA3 and Pre-RSNA users RTS/CTS CTS-to-self 802.11k and 802.11v smart roaming 802.11r fast transition roaming Advanced Traffic Management Restrict low rate/sticky terminals access Channel reuse Receiver sensitivity adjustment Automatic channel/power/bandwidth adjustment Hide SSID Hotspot 2.0
Security Policy	<ul style="list-style-type: none"> WEP-64/128/152bit, dynamic WEP, TKIP, AES, EAP, CCMP, WPA3 Multiple triggering conditions for unicast and broadcast key update Support 802.11i 802.1X authentication, MAC authentication, PSK authentication, Portal authentication, PPSK Layer 2 user isolation SSID-based user isolation Packet filtering MAC address filtering Broadcast storm suppression Wireless EAD SSID and VLAN binding Rogue device detection and countermeasure Dynamic ARP Inspection IP Source Guard (IPSG) WIDS/WIPS Management frame protection (802.11w)
AAA	<ul style="list-style-type: none"> RADIUS client Multiple-domain authentication server Backup authentication server

Layer 2 And Layer 3 Features	<ul style="list-style-type: none"> IP address configuration: Static IP (available only in fat AP mode)/DHCP assigned IP (Option 60) IPv6: Native IPv6/IPv6 Portal/IPv6 SAVI ACL: IPv4/IPv6 Local forwarding based on SSID and VLAN Link Layer Discovery Protocol (LLDP) SSID-based VLAN assignment EoGRE Tunnel Multicast: IGMP Snooping/MLD Snooping
QoS	<ul style="list-style-type: none"> 802.11e: Wi-Fi Multimedia (WMM) 802.1p priority and marking on Ethernet ports Priority mapping for wired and wireless packets SSID/VLAN and QoS policy mapping Layer 2 to Layer 4 packet filtering and traffic classification CAR Client bandwidth management Traffic-based load balancing Session-based load balancing Frequency-based load balancing (supports dual-band) Band navigation (5G priority) Multicast optimization (IPv4/IPv6) Call Admission Control (CAC) Airtime optimization Airtime fairness Layer 4-7 application identification SVP Phone Per-packet power control (PPC)
Management And Maintenance	<ul style="list-style-type: none"> AP Working Mode: Fit/Fat Network management:Trap, HTTP(S), SSH, Telnet, FTP/TFTP, SNMP V1/V2/V3 only applicable in Fat mode Management SSID Syslog Remote probing and analysis

Dimensions (mm[inch])

