

# DH-EAP6218-C

AX18 Ceiling Mount Access Point



- 802.11ax Indoor Wireless Access Point
- Internal Antennas 4 Streams Dual Radio.
- Up to 1.775 Gbps access rate.
- Built in high-gain antenna that can reach up to 4.6 dBi.
- Transmit power can reach up to 20 dBm.
- PA and LNA ensure the quality of the wireless network connection.
- MU-MIMO technology: The access point can send data to multiple terminals at the same time.



## Series Overview

Using MU-MIMO and OFDMA cutting edge technology, DH-EAP6 Series Wireless Access Point (AP) provides wireless access through dual concurrent wireless networks. It supports concurrent connections, provides access to a large number of users and has a built-in professional high gain antenna, wide signal coverage and fast wireless speed. It meets the IEEE 802.11ax standard and is suitable for scenes that require wireless transmission and can be used commercially and in hotels, cities and small and medium-sized enterprises.

## Functions

### Seamless Roaming

Features intelligent optimization of connections and seamlessly switches between nodes on the mesh network to ensure the stability of the network.

### Wide Coverage

Wide network coverage that can cover the entire room without any dead angles.

### Dual-Band Concurrent

Support by 802.11ac or 802.11ax technology, the concurrent dual band Wi-Fi meets your daily interest needs.

## Scene

It is suitable for scenes that require wireless coverage such as public facilities and the education, energy resource, and financial industries.



Home



Shop



Dormitory



Meeting Room

Technical Specification

Hardware	
Function Slots	1 x 10/100/1000 Mbps Base-T RJ-45 1 x 10/100/1000 Mbps Base-T RJ-45 (WAN, PoE)
Power Consumption	Full Load: 15 W
Memory	DDR: 256 MB Flash: 16 MB
Indicator Light	SYS WAN/PoE LAN
Wireless Standard	2.4 GHz: IEEE 802.11b/g/n/ax 5 GHz: IEEE 802.11a/n/ac/ax

Performance	
Operating Frequency	2.4 GHz–2.484 GHz 5.150 GHz–5.850GHz
Wireless Transmission Rate	2.4 GHz: 574 Mbps 5 GHz: 1201 Mbps
Channel Width	20/40/80 MHz
Max. Output Power	CE EIRP: ≤20 dBm@2400-2483.5 MHz; ≤23 dBm@5150-5250 MHz; ≤23 dBm@5250-5350 MHz; ≤27 dBm@5470-5725 MHz; ≤14 dBm@5725-5850 MHz FCC output power: ≤27 dBm@2400-2483.5 MHz; ≤24 dBm@5150-5250 MHz; ≤24 dBm@5250-5350 MHz; ≤24 dBm@5470-5725 MHz; ≤30 dBm@5725-5850 MHz
Antenna Gain	2.4 GHz: 4.6 dBi 5 GHz: 4.0 dBi
Antenna Direction Angle	360°
Optimal Transmission Distance	15 m (49.21 ft)

Function	
Operating Mode	FIT AP FAT AP
Encryption Mode	WPA-PSK/WPA2-PSK WPA3-PSK None
Management and Log	NTP; Syslog
Firmware Update	Web update AC remote update
Security Mechanism	SSID hiding MAC authentication IP-MAC binding User isolation Max allowed clients per AP URL filtering IP address filtering MAC address filtering
Network Protocol	HTTP; TCP/IP; IPv4; UDP; NTP; DHCP; DNS; DDNS; QoS; UPnP; ICMP; PPPoE; IP Filter
OFDMA	Yes
MU-MIMO	Yes
DHCP	Yes

NAT	NAT Port Mapping DMZ
QoS	IP-based speed limit
DDNS	Yes
Equipment Management	Local/remote WEB management
Software	Independent AP Configure VLAN based on SSID Auto channel Power adjustment 5G Precedence SSID extender WiFi Timer Pass through on VPN connection Configure information restore/back up

General	
Power Supply	12 VDC,1 A PoE (802.3 af)
Operating Temperature	–20 °C to 45 °C (–4 °F to +113 °F)
Storage Temperature	–40 °C to +70 °C (–40 °F to +158 °F)
Operating Humidity	5%-95% (RH)
Gross Weight	0.75 kg(1.65 lb)
Net Weight	0.41 kg (0.90 lb)
Packaging Dimensions	243 mm × 235 mm × 76 mm (9.56" × 9.25" × 2.99")(L × W × H)
Product Dimensions	188 mm × 188 mm × 35 mm (7.40" × 7.40" × 1.38")(L × W × H)
Statics Protection	Air discharge: 8 kV Contact discharge: 6 kV
Lighting Protection	Common mode: 2 kV Differential mode: 0.5 kV
Installation	In-ceiling mount
Certifications	CE FCC

Dimensions (mm [inch])

