DH-EAP6218-C

Wireless Access Point



- 802.11ax indoor ceiling wireless access point.
- Up to 1.775 Gbps.
- Dual band concurrent.
- Seamless roaming.
- MU-MIMO technology delivers fast wireless network for multiple devices at the same time.
- Devices can quickly access the DoLynk Care platform and be remotely managed on it.



Series Overview

Using MU-MIMO and OFDMA cutting edge technology, EAP 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 ideal for indoor scenes that require wireless network coverage.

Functions

Seamless Roaming
Seamless roaming enables a network user to remain continuously connected as they cross network boundaries.

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

Dual-Band Wi-Fi
Both the 2.4 GHz and 5 GHz network are available for you to flexibly switch between.

One Network
Integrated CCTV and IT network.

Quick Deployment
Easy and quick network setup.

Efficient Maintenance
Maintenance through topology, with abundant functions for hassle-free device services.

Security Guarantee
24/7 network security for fully linked devices, data and networks.

Scene

It is suitable for use indoors in small and medium-sized scenes that require wireless coverage such as hotels, canteens, office buildings, conference rooms and retail shops.

Technical Specification

Basic

Device Type	AP

Hardware

WAN Port	1 × 10/100/1000 Mbps Base-T (PoE In)
LAN Port	1 × 10/100/1000 Mbps Base-T
Power Supply	12V DC,1.5A; 802.3 af PoE; 802.3 at PoE;
Antenna Type	Omnidirectional
Built-in Antenna	2.4 GHz: 2 × 4.6 dBi; 5 GHz: 2 × 4.0 dBi
Memory	DDR: 256 MB
Indicator Light	SYS; WAN/PoE; LAN

Performance

Wireless Standard	2.4 GHz: IEEE 802.11b/g/n/ax; 5 GHz: IEEE 802.11a/n/ac/ax
Wireless Transmission Rate	2.4 GHz: 574 Mbps; 5 GHz: 1201 Mbps
Operating Frequency	2.4 GHz: 2.400 GHz–2.484 GHz; 5 GHz: 5.150 GHz–5.850GHz
Channel Width	2.4 GHz: 20/40 MHz; 5 GHz: 20/40/80 MHz
2.4 GHz Antenna Gain	4.6 dBi
5 GHz Antenna Gain	4.0 dBi
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
2.4 GHz Max Power Output	23 dBm
5 GHz Max Power Output	19 dBm
Receiver Sensitivity	2.4 GHz: 802.11b 11M:-85 dBm; 802.11b 1M: -92 dBm; 802.11g 54M:-72 dBm; 802.11g 6M: -90 dBm; 802.11n 20MHz MCS0: -88 dBm; 802.11n 20MHz MCS7: -70 dBm; 802.11n 40MHz MCS0: -86 dBm; 802.11n 40MHz MCS7: -68 dBm; 802.11ax 20MHz MCS0: -85 dBm; 802.11ax 20MHz MCS11:-60 dBm; 802.11ax 40MHz MCS0: -85 dBm; 802.11ax 40MHz MCS11:-56 dBm; 5 GHz: 802.11a 6M: -92 dBm; 802.11a 54M: -72 dBm; 802.11n 20MHz MCS0: -90 dBm;
	802.11n 20MHz MCS7: -70 dBm; 802.11n 40MHz MCS0: -88 dBm; 802.11n 40MHz MCS7:-68 dBm; 802.11ac 20MHz MCS0: -90 dBm; 802.11ac 20MHz MCS7: -70 dBm; 802.11ac 80MHz_MCS0: -85 dBm; 802.11ac 80MHz_MCS9: -58 dBm; 802.11ax 80MHz_MCS0: -84 dBm; 802.11ax 80MHz_MCS11:-55 dBm
Max. Transmission Distance	20 m (65.62 ft)
Optimal Transmission Distance	15 m (49.21 ft)
SSID Number	2.4 GHz: 4; 5 GHz: 4
Connected Wireless Terminals	2.4 GHz: 64; 5 GHz: 64
PoE	PoE In: 802.3af (15 W/30 W)

Function

Equipment Management	Web; platform; app
Network Protocol	TCP/IP;IPv4;UDP;NTP;DHCP;DNS;QoS;ICMP;ARP;IP Filter;TCP;SMB;NFS;MQTT;802.11k;802.11v;802.11e;WMM;IGMP V3
Operating Mode	FIT AP FAT AP Gateway mode
Encryption Mode	No Encryption WPA/WPA2PSK; WPA2/WPA3PSK
Firmware Update	Web update;AC remote update
Security Mechanism	IP address filtering; MAC address filtering
OFDMA	Yes
MU-MIMO	Yes
Beamforming	Yes
DHCP	Gataway way mode support
NAT	Gataway way mode support
QoS	Yes
Software	Device Management: setup wizard; network connection method; back up/restore configuration; restore factory defaults; schedule restart; system logs; change password; firmware upgrade; system time; fat/fit mode; cloud platform configuration AP Management: Wi-Fi settings; VLAN ID configuration; frequency configuration; country/region configuration; 5G-Prior access configuration; scheduled Wi-Fi shutdown Client Management: MAC ACL; user isolation; limit users that can access

General

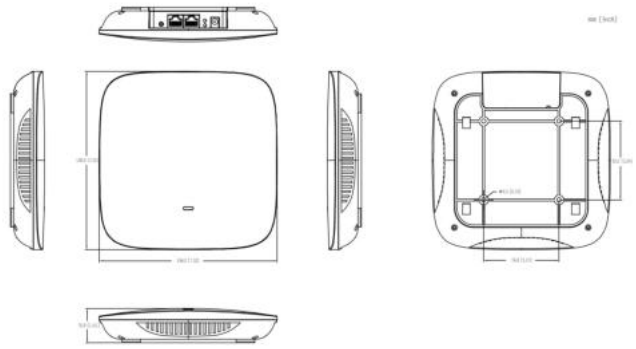
Power Consumption	Full load: 12.2 W; Idling: 5 W
Operating Temperature	–10 °C to +45 °C (+14°F to +113 °F)
Storage Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Operating Humidity	5%–95% (RH), non-condensing
Net Weight	0.41kg (0.90 lb)

Gross Weight	0.75kg (1.65 lb)
Product Dimensions	186 mm × 186 mm × 36 mm (7.32" × 7.32" × 1.41") (L × W × H)
Packaging Dimensions	243 mm × 253 mm × 76 mm (9.57" × 9.96" × 2.99") (L × W × H)
Statics Protection	Air discharge: 8 kV; Contact discharge: 6 kV
Lightning Protection	Common mode: 2 kV; Differential mode: 1 kV
Installation	In-ceiling mount; wall mount
Certifications	CE
Packing List	1 × Device; 4 × Screw; 1 × User Manual; 1 × Network Cable; 1 × Bracket

Ordering Information

Type	Model	Description
Wireless Access Point	DH-EAP6218-C	Wireless Access Point

Dimensions (mm[inch])



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