

**Product:** [DAP620-RW](#)

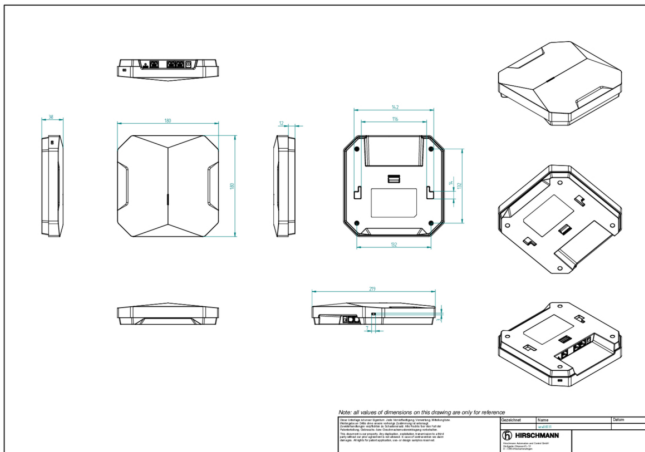
**Dragonfly Indoor Wi-Fi 6 (802.11ax) Access Point**



**Product Description**

Dragonfly Indoor, dual radio, 5 GHz 802.11 ax 2x2:2 and 2.4 GHz 802.11 ax 2x2:2, built-in antennas

**Technical Drawing**



**Technical Specifications**

**Product description**

Type:	DAP620
Name:	DAP620-RW
Part Number:	942999300
Port type and quantity:	2 × 10/100/1000 TX RJ45, PoE PD (IEEE 802.3af); 1 × RJ45 Console Port; 1 × USB 2.0 Type-C; 1 × Reset button; 1 × Kensington security slot
Radio protocol:	IEEE 802.11b; 802.11a/g/n/ac; 802.11ax; up to 1.77Gbps (1.2Gbps in 5GHz and 573.5Mbps in 2.4GHz) data rate

**Radio technology**

Antenna connector:	Built-in 2x2:2 @ 2.4GHz, 2x2:2 @ 5GHz, integrated dual-band downtilt omni-directional antennas for 2x2 MIMO with peak antenna gain of 3.3dBi in 2.4GHz and 3.3dBi in 5GHz
Frequency band:	2.400 to 2.4835 GHz; 5.150 to 5.250 GHz; 5.250 to 5.350 GHz; 5.470 to 5.725 GHz; 5.725 to 5.850 GHz *available channels: Dependent on configured regulatory domain
Modulation:	802.11b: BPSK, QPSK, CCK; 802.11a/g/n/ac: BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM; 802.11ax: BPSK,QPSK,CCK,16-QAM,64-QAM,256-QAM,1024-QAM
RF Optimization:	Receive sensitivity (per chain): 1Mb/s@2.4GHz=-97; 11Mb/s@2.4GHz=-90; 6Mb/s@2.4GHz=-93 & @5GHz=-93; 54Mb/s@2.4GHz=-76 & @5GHz=-77; HT20 (MCS0/8)@2.4GHz=-93 & @5GHz=-93; HT20 (MCS7/15)@2.4GHz=-73 & @5GHz=-76; HT40 (MCS0/8)@2.4GHz=-91 & @5GHz=-91; HT40 (MCS7/15)@2.4GHz=-72 & @5GHz=-74; VHT20 (MCS0)@2.4GHz=-93 & @5GHz=-93; VHT20 (MCS8)@2.4GHz=-71 & @5GHz=-73; VHT40 (MCS0)@2.4GHz=-91 & @5GHz=-91; VHT40 (MCS9)@2.4GHz=-67 & @5GHz=-68; VHT80 (MCS0)@5GHz=-88; VHT80 (MCS9)@5GHz=-64; HE20 (MCS0)@2.4GHz=-93 & @5GHz=-93; HE20 (MCS11)@2.4GHz=-64 & @5GHz=-65; HE40 (MCS0)@2.4GHz=-90 & @5GHz=-91; HE40 (MCS11)@2.4GHz=-62 & @5GHz=-62; HE80 (MCS0)@5GHz=-88; HE80 (MCS11)@5GHz=-59 Maximum transmit power (per chain)*: 1Mb/s@2.4GHz=18 dBm; 11Mb/s@2.4GHz=18 dBm; 6Mb/s@2.4GHz=18 dBm & @5GHz=18 dBm; 54Mb/s@2.4GHz=16 dBm & @5GHz=16 dBm; HT20 (MCS0/8)@2.4GHz=18 dBm & @5GHz=18 dBm; HT20 (MCS7/15)@2.4GHz=15 dBm & @5GHz=15 dBm; HT40 (MCS0/8)@2.4GHz=18 dBm & @5GHz=18 dBm; HT40 (MCS7/15)@2.4GHz=15 dBm & @5GHz=15 dBm; VHT20 (MCS0)@2.4GHz=18 dBm & @5GHz=18 dBm; VHT20 (MCS8)@2.4GHz=14 dBm & @5GHz=15 dBm; VHT40 (MCS0)@2.4GHz=18 dBm & @5GHz=18 dBm; VHT40 (MCS9)@2.4GHz=14 dBm & @5GHz=15 dBm; VHT80 (MCS0)@5GHz=18 dBm; VHT80 (MCS9)@5GHz=14 dBm; HE20 (MCS0)@2.4GHz=18 dBm & @5GHz=18 dBm; HE20 (MCS11)@2.4GHz=14 dBm & @5GHz=15 dBm; HE40 (MCS0)@2.4GHz=18 dBm & @5GHz=18 dBm; HE40 (MCS11)@2.4GHz=14 dBm & @5GHz=15 dBm; HE80 (MCS0)@5GHz=18 dBm; HE80 (MCS11)@5GHz=14 dBm *Note: Maximum capability of the hardware provided (excluding antenna gain). Maximum transmit power is limited by local regulatory setting

**Power requirements**

Operating Voltage:	Supports direct DC power and Power over Ethernet (PoE PD)
Operating voltage DC:	Direct DC source: 48V DC nominal, ± 5%
Power consumption:	13.1 W

## Security features

Authentication:	802.11i, Wi-Fi Protected Access 2 (WPA2), WPA, WPA3 (WPA3-Personal WPA3 -Enterprise); 802.1X; Portal page authentication; Advanced Encryption Standard (AES), Temporal Key Integrity Protocol (TKIP)
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## Software

Management:	Internal User Database, Zero-touch provisioning (ZTP), System log report, SNMP Trap Notification with DAC software, Floor plan and heat map with DAC software, Industrial HiVision
Security:	Captive Portal, Radius Client, Wireless QoS, Client sticky avoidance, User behavior tracking, White / black list, ACL, Rogue AP location and containment, Wireless Attack Detection
Software features:	Auto channel selection; Auto transmit power control; Bandwidth control per SSID; L2 roaming; L3 roaming with DAC software; Band steering; Client smart load balance; NTP server client; Wireless MESH P2P/P2MP

## Ambient conditions

Operating temperature:	0-45 °C
Storage/transport temperature:	-40°C to +70 °C
Relative humidity (non-condensing):	5 - 95 %

## Mechanical construction

Width:	180 mm
Height:	36 mm
Depth:	180 mm
Weight:	0.6 kg
Mounting:	Ceiling, wall
Protection class:	IP41

## Approvals

Safety of industrial control equipment:	EN 62368-1
FCC:	Yes
UL/cUL:	Yes
CE:	Yes
RoHS Compliant:	RoHS ((EU) 2015/863) and RoHS (GB/T26572-2011) compliant
Radio:	EN 300 328 (2.4 GHz), EN 301 893 (5 GHz), EN 302 502 (5.8 GHz), EN 301 489-1, EN 301 489-17

## Scope of delivery and accessories

Accessories to Order Separately:	DC power adapter
Scope of delivery:	Installation guide, mounting kit (AP-MNT-IN-W)

## History

Update and Revision:	Revision Number: 0.10 Revision Date: 09-07-2023
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