

## DS-3WAP6218-EI Wi-Fi 6 1800M Ceiling Access Point



DS-3WAP6218-EI is an indoor 802.11ac AP product with dual-frequency four-flow design, which meets the wireless coverage requirements of small, medium and micro enterprises.

- 1 × Gigabit PoE in port, 1 × Gigabit RJ45 port
- Wi-Fi 6 Dual Band 1800 Mbps
- Auto RF Optimization
- Wide Signal Coverage
- Reliable Wi-Fi Connection
- Outstanding Wall Penetration

## ▪ Specification

| General                                 |                                                                                                                                                                                                                                                                                                                        |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Net Weight                              | 0.4 kg (0.88 lb)                                                                                                                                                                                                                                                                                                       |
| Gross Weight                            | 0.64 kg (1.41 lb)                                                                                                                                                                                                                                                                                                      |
| Installation Mode                       | Ceiling Mounting                                                                                                                                                                                                                                                                                                       |
| Working Temperature                     | 0°C to 40°C (32°F to 104°F)                                                                                                                                                                                                                                                                                            |
| Working Humidity                        | 10% to 90% (no condensation)                                                                                                                                                                                                                                                                                           |
| Storage Temperature                     | -40°C to 70°C (-40°F to 158°F)                                                                                                                                                                                                                                                                                         |
| Storage Humidity                        | 5% to 95% (no condensation)                                                                                                                                                                                                                                                                                            |
| Product Dimensions (W × H × D)          | Ø220 mm × 49.7 mm (excluding bracket)                                                                                                                                                                                                                                                                                  |
| Packing List                            | 1800 M Access Point × 1, Screw Pack × 1, Installation bracket × 1, Quick Start Guide × 1, Regulatory Compliance and Safety Information × 1                                                                                                                                                                             |
| Power Supply Method                     | DC power supply: 12 V, 2 A;<br>PoE power supply: IEEE 802.3at;                                                                                                                                                                                                                                                         |
| Max. Power Consumption                  | 18 W                                                                                                                                                                                                                                                                                                                   |
| Wireless Parameter                      |                                                                                                                                                                                                                                                                                                                        |
| Wireless Speed                          | Max: 1775 Mbps;<br>2.4G: 574 Mbps;<br>5G: 1201 Mbps;                                                                                                                                                                                                                                                                   |
| Wireless Standard                       | Wi-Fi 6                                                                                                                                                                                                                                                                                                                |
| Working Frequency Band                  | Radio 1: 5G (11a/n/ac/ax);<br>Radio 2: 2.4G (11b/g/n/ax);                                                                                                                                                                                                                                                              |
| Bandwidth                               | 2.4G: Auto/20/40 MHz;<br>5G: Auto/20/40/80 MHz;                                                                                                                                                                                                                                                                        |
| Recommended Coverage Range              | Recommended Coverage Range: 140 m <sup>2</sup> , the radius in an open environment is 25 meters.<br>Note: The signal coverage range is greatly affected by the environment. For example, walls, glass doors, and other obstacles will affect the signal coverage. The above - mentioned values are for reference only. |
| Max. Number of Connected Clients        | 256                                                                                                                                                                                                                                                                                                                    |
| Recommended Number of Connected Clients | 100                                                                                                                                                                                                                                                                                                                    |
| Spatial Streams                         | 2.4G: 2 × 2, MU-MIMO<br>5G: 2 × 2, MU-MIMO                                                                                                                                                                                                                                                                             |
| Transmitting Power                      | 2.4G: Combined power: 28 dBm;<br>5G: Combined power: 30 dBm;<br>Note: The actual transmission power varies according to regulations in different countries and regions;                                                                                                                                                |
| Wireless Security                       | WPA2-PSK, WPA-WPA2-PSK, WPA3-PSK, WPA2-WPA3-PSK                                                                                                                                                                                                                                                                        |
| Antenna Type                            | Built-in omnidirectional antennas                                                                                                                                                                                                                                                                                      |
| Antenna Gain                            | 2.4 GHz: 3.5 dBi<br>5 GHz: 4.5 dBi                                                                                                                                                                                                                                                                                     |
| Hardware Specifications                 |                                                                                                                                                                                                                                                                                                                        |
| Ports                                   | 1 × Gigabit PoE in port, 1 × Gigabit RJ45 port                                                                                                                                                                                                                                                                         |
| RESET                                   | 1 × Reset hole                                                                                                                                                                                                                                                                                                         |

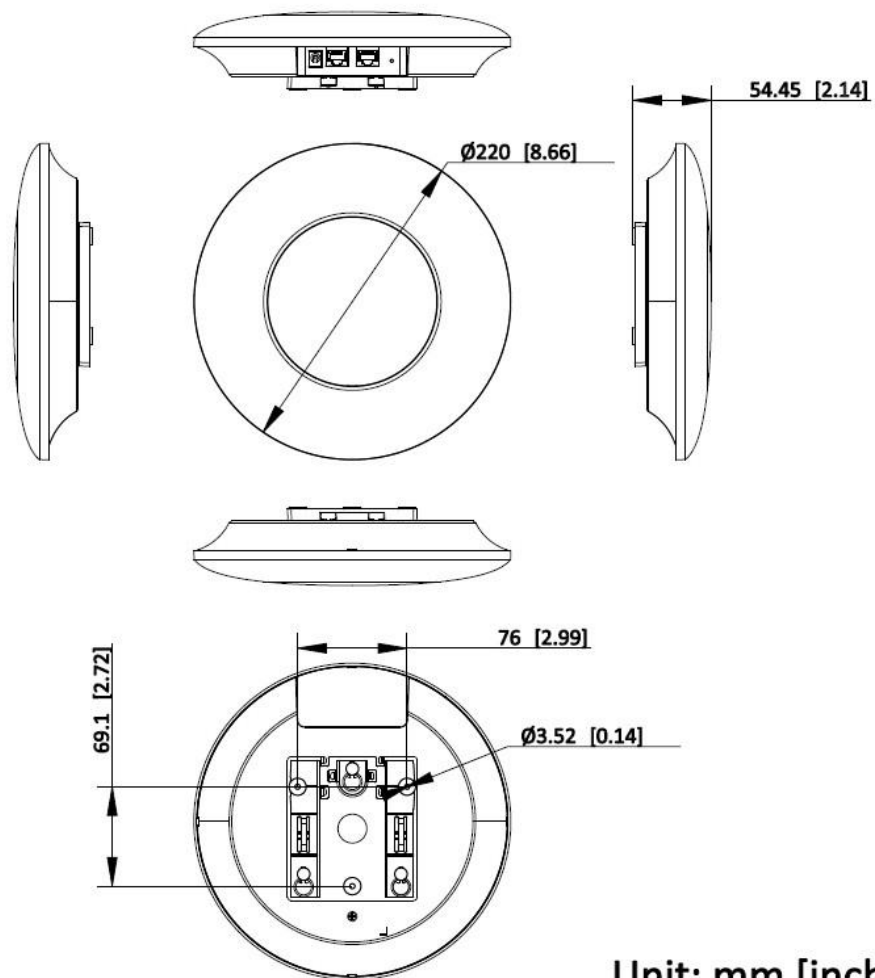
| Software Specifications       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Max. Number of Wireless SSIDs | 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Internet Access Mode          | DHCP,Static                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| VLAN ID Range                 | 1~4000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Max. Number of VLANs          | 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Software Features             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Operation Mode                | AP mode (default);<br>Routing mode;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Wireless Management           | Support wireless configuration;<br>Support RF configuration;<br>Support Health Mode;<br>Support guest SSID;<br>Support wireless roaming;<br>Support wireless optimization;<br>Support wireless SSID speed limit;<br>Support wireless RF speed limit;<br>Support wireless intelligent speed limit;<br>Support wireless terminal speed limit;<br>Support weak signal access control;<br>Support weak signal to kick offline;<br>Support roaming sensitivity adjustment;<br>Support wireless access control;<br>Support wireless terminal association; |
| Interface                     | Support uplink port VLAN;<br>Support MAC address modification;<br>Support LAN configuration;<br>Support Port VLAN;                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| IP Services                   | Support DHCP Client;<br>Supports DHCP Server;<br>Support LLDP;<br>Support SADP;                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Service and Support           | Support NAT Traversal;<br>Support Audit Log;<br>Support Fault Diagnosis;<br>Support Fault Alarm;<br>Support One-Click Fault Collection;<br>Support Network Diagnostic Tools;<br>Support SSH;<br>Support Cloud Service Diagnosis;<br>Support Local Upgrade;<br>Support Online Upgrade;<br>Support Cloud Service;<br>Support App Management;                                                                                                                                                                                                          |
| Approval                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| EMC                           | CE-EMC (EN 55032:2015/A1:2020 EN 55035:2017/A11:2020 EN IEC 61000-3-2:2019/A2:2024 EN 61000-3-3:2013/A2:2021 EN 50130-4:2011/A1:2014)                                                                                                                                                                                                                                                                                                                                                                                                               |
| Safety                        | CB (IEC 62368-1: 2018), CE-LVD (EN IEC 62368-1: 2020+ A11: 2020)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

|           |                                                                                                                                                                                   |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Chemistry | CE-RoHS (2011/65/EU), WEEE (2012/19/EU), Reach (Regulation (EC) No.1907/2006)                                                                                                     |
| Radio     | EN 300 328, EN 300 440, EN 301 893, EN 301 489-1, EN 301 489-3, EN 301 489-17, EN 61000-3-3: 2013+ A1:2019+A2: 2021, EN IEC 61000-3-2: 2019+A1: 2021+A2: 2024, EN IEC 62311: 2020 |

## ▪ Available Model

DS-3WAP6218-EI

## ▪ Dimension



Unit: mm [inch]

|       |     |
|-------|-----|
| SCALE | 1:1 |
|-------|-----|

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