

# WAP-8231 AX1800 Dual Band Wi-Fi 6 In-Wall PoE Wireless Access Point

## [Product Images](#)

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## Short Description

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- Provides wireless speeds of up to 1800Mbps(574Mbps in 2.4GHz/1201Mbps in 5GHz)
- OFDMA and MU-MIMO support
- Compatible with IEEE 802.11a/b/g/n/ac/ax Wave 2 wireless standards
- Dual band technology reduces interference, providing reliable connections
- IEEE 802.3af PoE compliant to simplify deployment and installation
- Provides up to 8 SSIDs to separate network traffic and enhance security
- Supports WPA3 encryption
- Wall-mounted design fits standard 86x86mm socket
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The LevelOne new access point, the WAP-8231, can be used to create wireless networks that are not only technically perfect but also visually perfect. Since there is almost not to see with the wireless access point hardware: The wireless access point - just like a power outlet - is simply mounted on the wall. hotels and guesthouses can carefully set up WLANs for guests in each room. It can achieve a combined speed of up to 1800 Mbps. The WAP-8231 operates in the 2.4 and 5 GHz bands and can also be used as part of a managed network when controlled by the LevelOne WAC-2010 / WAC-2013 WLAN controller.

LevelOne WAP-8231 also offers PoE, removing the need for an external power supply, which makes it easy to install. A fast, versatile and secure access point for a wide variety of network requirements.

## Additional Information

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Color                   | White                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| EAN                     | 4015867235690                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Model Number            | WAP-8231                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Features                | ● Web-Based GUI Configuration ● Multiple SSID (4 SSID for 2.4GHz, 4 SSID for 5GHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Frequency band          | 2.4/5GHz(Dual bands)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| PoE Supported           | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Wireless AP type        | Inwall                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Max. Wi-Fi Data Rate    | 1800Mbps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Approval and Compliance | ● CE ● RoHS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Operating humidity      | 10% RH ~ 90% RH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Operating temperature   | 10°C ~ 40°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Storage humidity        | 5% RH ~ 95% RH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Storage temperature     | -40°C ~ 70°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Package Contents        | ● WAP-8231 ● USB-C to RJ-45 adapter ● Screw Kit ● Quick Installation Guide ● Declaration of Conformity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                         | 2.4 GHz Radio : ● 802.11b / 1Mbps / RX Sensitivity : -92 (dBm) ● 802.11b / 11Mbps / RX Sensitivity : -85 (dBm) ● 802.11g / 6Mbps / RX Sensitivity : -90 (dBm) ● 802.11g / 54Mbps / RX Sensitivity : -72 (dBm) ● 802.11n HT20 / MCS0 / RX Sensitivity : -88 (dBm) ● 802.11n HT20 / MCS7 / RX Sensitivity : -70 (dBm) ● 802.11n HT40 / MCS0 / RX Sensitivity : -86 (dBm) ● 802.11n HT40 / MCS7 / RX Sensitivity : -68 (dBm) ● 802.11ax HE20 / MCS0 / RX Sensitivity : -85 (dBm) ● 802.11ax HE20 / MCS11 / RX Sensitivity : -60 (dBm) ● 802.11ax HE40 / MCS0 / RX Sensitivity : -85 (dBm) ● 802.11ax HE40 / MCS11 / RX Sensitivity : -56 (dBm) 5 GHz Radio : ● 802.11a HT20 / 6Mbps/ RX Sensitivity : -92 (dBm) ● 802.11a HT20 / 54Mbps/ RX Sensitivity : -72 (dBm) ● 802.11n HT20 / MCS0 / RX Sensitivity : -90 (dBm) ● 802.11n HT20 / MCS7 / RX Sensitivity : -70 (dBm) ● 802.11n HT40 / MCS0 / RX Sensitivity : -88 (dBm) ● 802.11n HT40 / MCS7 / RX Sensitivity : -68 (dBm) ● 802.11ac VHT20 / MCS0 / RX Sensitivity : -90 (dBm) ● 802.11ac VHT20 / MCS7 / RX Sensitivity : -70 (dBm) ● 802.11ac VHT40 / MCS0 / RX Sensitivity : -88 (dBm) ● 802.11ac VHT40 / MCS7 / RX Sensitivity : -68 (dBm) ● 802.11ac VHT80 / MCS0 / RX Sensitivity : -85 (dBm) ● 802.11ac VHT80 / MCS9 / RX Sensitivity : -58 (dBm) ● 802.11ax HE20 / MCS0 / RX Sensitivity : -88 (dBm) ● 802.11ax HE20 / MCS11 / RX Sensitivity : -62 (dBm) ● 802.11ax HE40 / MCS0 / RX Sensitivity : -86 (dBm) ● 802.11ax HE40 / MCS11 / RX Sensitivity : -58 (dBm) ● 802.11ax HE80 / MCS0 / RX Sensitivity : -84 (dBm) ● 802.11ax HE80 / MCS11 / RX Sensitivity : -55 (dBm) |
| Receiver sensitivity    | 87 x 86 x 31.5 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                         | 0.138                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                         | 4 Built-in 3dBi antennas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                         | < 18 dBm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                         | ● WPA2 Personal (AES) ● WPA3 Personal (AES)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                         | 16 MB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                         | ● 2.412 to 2.484 GHz ● 5.18GHz to 5.825GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|                         | WIFI status                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                         | Wall mount                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|                         | AP Mode                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Dimensions (W x D x H)  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Product weight (kg)     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Antenna                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| EIRP (dBm)              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Encryption              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Flash memory size       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Frequency band          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Indicators              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Mount                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Operating modes         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

Port Configuration  
Power consumption  
RAM size  
Standards  
Wireless channels

- WAN: 10/100/1000M Ethernet (PoE) port ● LAN: 10/100/1000M Ethernet port with USB-C to RJ-45 adapter < 14W
- 128 MB
- IEEE 10BASE-T (IEEE 802.3) ● IEEE 100BASE-TX (IEEE 802.3u) ● IEEE 1000BASE-T (IEEE 802.3ab) ● IEEE 802.11a/b/g/n/ac/ax ● IEEE 802.3af Power over Ethernet
- 2.4GHz: 1-13 ● 5GHz: 36-64, 100-140, 149-165

