

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

Product Images





Short Description

- 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

Description

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)
Wireless AP type	Inwall
PoE Supported	Yes
Max. Wi-Fi Data Rate	1800Mbps
Operating humidity	10% RH ~ 90% RH
Operating temperature	10°C ~ 40°C
Approval and Compliance	● CE ● RoHS
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

Receiver sensitivity

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)

Dimensions (W x D x H)

87 x 86 x 31.5 mm

Product weight (kg)

0.138

Indicators

WiFi status

Encryption

● WPA2 Personal (AES) ● WPA3 Personal (AES)

Antenna

4 Built-in 3dBi antennas

Standards

● 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

EIRP (dBm)

< 18 dBm

Frequency band

● 2.412 to 2.484 GHz ● 5.18GHz to 5.825GHz

Port Configuration

● WAN: 10/100/1000M Ethernet (PoE) port ● LAN: 10/100/1000M Ethernet port with USB-C to RJ-45 adapter

RAM size

128 MB

Flash memory size

16 MB

Power consumption

< 14W

Wireless channels

● 2.4GHz: 1-13 ● 5GHz: 36-64, 100-140, 149-165

Operating modes

AP Mode

Mount

Wall mount

