DATASHEET

AX1800 Dual Band Wi-Fi, 6 PoE Wireless Access Point

General data

Supports wireless transfer rates of up to 574Mbit/s (2.4GHz) or 1201Mbit/s (5GHz), 1800Mbit/s total
Supports OFDMA and MU-MIMO
Compatible with IEEE 802.11a/b/g/n/ac/ax and Wave 2 standards
Built-in 2 x 2 MIMO antenna
Multi-operation modes for different wireless applications
Powered by 12VDC power supply or PoE (IEEE 802.3af)
Features up to 8 SSIDs to separate network traffic
High power and reception sensitivity for optimal signal coverage and increased data throughput
Supports WPA3 encryption, compatible with WPA2
The LevelOne WAP-8131 is a stand-alone, AX1800 dual-band Wi-Fi 6 PoE wireless access point that features two Gigabit Ethernet ports and advanced 802.11ax Wave 2 MU-MIMO (Multi-User Multiple-Input Multiple- Output) technology, it enables multiple client devices to simultaneously provide Wi-Fi signals with high bandwidth of up to 1775Mbit/s and distribute data more efficiently. The WAP-8131 provides 2.4 and 5 GHz frequencies and can be used as a high-quality stand-alone access point in a corporate environment or for sophisticated installations. It also offers support for the new WPA3 encryption. The WAP-8131 is of course also equipped with PoE, eliminating the need for an external power supply and simplifying installation. A fast, versatile and secure access point for a wide range of network requirements, especially when high speeds are important for many users.

General
Color white

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Features
- Web-Based GUI Configuration
- Multiple SSID (4 SSID for 2.4GHz, 4 SSID for 5GHz)

Miscellaneous
Frequency band 2.4/5GHz(Dual bands)
PoE Supported Yes
Wireless AP type Ceiling
Max Wi-Fi Data Rate 1800Mbps

Others
Approvals and compliance CE, RoHS
Operating humidity 10% RH ~ 90% RH
Operating temperature 0°C ~ 55°C
Storage humidity 5% RH ~ 90% RH
Storage temperature 0°C ~ 70°C
scope of delivery
- WAP-8131
- Screw Kit
- RJ45 Network Cable
- Quick Installation Guide
- Declaration of Conformity

Physical Specifications
Dimensions (W x D x H) 186 x 186 x 42.5 mm
Product weight (kg) 0.4185

System specifications
Antenna 4 Built-in 4dBi MIMO antennas
EIRP (dBm) < 20 dBm
Encryption WPA2 Personal (AES), WPA3 Personal (AES)
Flash memory size 128 MB
Frequency band 2.412 to 2.484 GHz, 5.18GHz to 5.825GHz
Indicator WIFI status
Fixing ceiling mount
Operating mode Gateway Mode, Repeater Mode, AP Mode
Energy consumption 14 W
Power supply Power adapter (ordered separately)
RAM size 512 MB
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 802.3at Power over Ethernet

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Technical properties	
Ethernet	True
Frequency band	2.4 GHz and 5 GHz
ISDN	False

Available variants

ArtNr.	Bezeichnung	Unique
WAP-8131	AX1800 Dual Band Wi-Fi, 6 PoE Wireless Access Point	Unique

Note on Intended Use

This data sheet is intended solely to describe the technical characteristics of the product. It does not replace an assessment of the product's suitability for a specific application. The user is responsible for ensuring that the product is used in accordance with its technical specifications and applicable legal and regulatory requirements.

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