DATASHEET

AC900 5GHz Outdoor PoE Wireless (WLAN) Access Point

General data

Supports wireless transfer rates up to 867Mbps
Compatible with IEEE 802.11ac Wave 2 standard
MU-MIMO technology ensures enhanced performance
Supports DIP switch configuration for easy switching between AP and repeater functions.
Point-to-point transmission distance of 5 km with 5GHz with clear line of sight
Powered by 12VDC power supply or PoE (IEEE 802.3af)
Features up to 4 SSIDs to separate network traffic and improve security
Weatherproof IP-65 housing

The LevelOne WAB-8010 Outdoor Single-Band 802.11ac Wireless Access Point not only offers wireless transmission of 867 Mbit/s but also easily covers distances of 5 km. The 802.11ac Wave 2 MU-MIMO (Multi-User Multiple-Input Multiple-Output) function allows multiple data streams to be transmitted simultaneously with high bandwidth, distributing data more efficiently in multipoint solutions.

The WAB-8010 operates on the 5GHz frequency and is IEEE802.3at PoE compliant, eliminating the need for a separate power supply and simplifying installation. The advanced IP65 weatherproof design means the WAB-8010 is designed for outdoor use and can withstand rain, moisture, dust and snow. A fast, versatile and secure WiFi access point and bridge for a variety of outdoor networking needs.

Port configuration

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Gigabit RJ45 1 LAN ports (10/100/1000Base-T)
802.3af/at PoE 1 WAN port (10/100/1000Base-T)

General
Color white

Features
Multi-SSID: 4 SSIDs (5GHz x 4 SSIDs)
Miscellaneous
Frequency band 5GHz
PoE Supported Yes
Wireless AP type Outdoor
Max Wi-Fi Data Rate 900Mbps

Others
Approvals and compliance CE, RoHS
Operating humidity 10% RH ~ 90% RH
Operating temperature -30°C ~ 45°C
Storage humidity 5% RH ~ 95% RH
Storage temperature -40°C ~ 75°C

scope of delivery
WAB-8010,
Pole Mounting Hose Clamp (40-64mm),
RJ45 Network Cable,
Quick Installation Guide,
EU Declaration of Conformity
performance
Reception sensitivity (dBm) 802.11ac HT20
• MCS0-89dBm
• MCS7-67dBm
• MCS9-62dBm
802.11ac HT40
• MCS0-86dBm
• MCS7-64dBm
• MCS9-59dBm
802.11ac HT80
• MCS0-82dBm
• MCS7-60dBm
• MCS9-55dBm

Physical Specifications
Dimensions (W x D x H) 87 x 257 x 40 mm
Product weight (kg) 0.44

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System specifications
Antenna Build in 14dBi MIMO Panel Antenna
EIRP (dBm) <20 dBm
Encryption WPA2-PSK (AES), Auto Encryption (WPA/WPA2-PSK)
Flash memory size 16 MB
Frequency band 4,920~5,920 GHz
Indicator SYS□WAN□LAN□WI-FI signal strength(25%, 50%, 75%, 100%)
Fixing pole mount
Operating mode AP mode, repeater mode
Port configuration 2 x RJ45
Power supply PoE (IEEE 802.3af), DC12V/1.5A(Power supply is not included)
RAM size 128 MB (DDR2)
Standards 802.11ac/a/n, MU-MIMO technology
Wireless Channels Ch.36~165 by Country

Technical properties	
Frequency band	5 GHz
Pole fastening	True

Available variants

ArtNr.	Bezeichnung	Unique
WAB-8010	AC900 5GHz Outdoor PoE Wireless (WLAN) 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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