![LevelOne logo]

WAB-5010 Version: 1

N300 5GHz Outdoor PoE Wireless Access Point, Controller Managed

The LevelOne WAB-5010 is a managed, outdoor single-band 802.11a/n wireless access point, capable of 300 Mbps wireless internet speeds. The device runs on 5 GHz frequency, and can be used as part of a managed network when controlled by the LevelOne WAC-2000/WAC-2003 Wireless LAN Controller. LevelOne WAB-5010 also offers PoE, removing the need for an external power supply, which makes it easy to install. Advanced weatherproof design, rated to IP65 means the WAP is designed for outdoor deployments, and can withstand rain, humidity, dust, snow and extremely hot conditions. A fast, versatile and secure access point for a wide variety of outdoor network requirements.

Key Features

- Share your wireless network up to 300Mbps
- Multi-operation modes to suit different wireless applications
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- Weatherproof IP65-rated housing
- Provides up to 4 SSIDs to separate network traffic and enhance security

Compatible With

WAC-2000
Gigabit Wireless LAN Controller

WAC-2003
Gigabit Wireless LAN Controller, Quad WAN

Specifications

System Specifications

Standards & Protocols:
IEEE 802.11a/n
IEEE 802.3 10-BASE-T, Ethernet
IEEE 802.3u 100-BASE-TX, Fast Ethernet
IEEE 802.11e Wi-Fi Multimedia (WMM)
IEEE 802.11i Wi-Fi Protected Access (WPA2)
IEEE 802.3at Power over Ethernet

Connectors and Cabling:
1*10/100Mbps WAN port
1*10/100/Mbps LAN port

Button/Knob:
1* Reset Button

Power Input:
802.3at PoE 48V
DC 12V/1.5A

Power Consumption:
<15W

Wireless

Operating Mode:
Gateway Mode
Repeater Mode
AP Mode
WISP Mode
WDS Mode

Encryption:
64/128bit WEP
WPA(AES?TKIP with IEEE 802.1x)
WPA2(AES?TKIPwith IEEE 802.1x)
WPS

Receive Sensitivity(dBm):
802.11a: -70dbm@ 54Mbps
802.11a:-89dbm@ 6Mbps
802.11n HT20: -65dbm@MCS7
802.11n HT20: -83dbm@MCS0
802.11n HT40: -62dbm@MCS7
802.11n HT40:-80dbm@MCS0

Channel:
Ch.36~165 Country

EIRP(dBm):
802.11a: 54M 20±2 dBm
802.11a: 6M 23±2 dBm
802.11n HT20:MCS7 19±2 dBm
802.11n HT20:MCS0 22±2 dBm
802.11n HT40:MCS7 19±2 dBm
802.11n HT40:MCS0 22±2 dBm

Antenna:
Built-in 15dBi directional antenna

Frequency Band (GHz):
5.180 ~ 5.825GHz

Modulation:
OFDM = BPSK,QPSK,16-QAM,64-QAM;DSSS = DBPSK,DQPSK,CCK

Data Transfer Rate:
11n: up to 300Mbps(dynamic)
11a: up to 54Mbps(dynamic)

Features

General:
Multi-SSID: 4 SSIDs

PoE:
IEEE 802.3at PoE

Security:
SSID Broadcast On/Off

Management:
Web-Based GUI Configuration and WLAN Controller (WAC-2000)

QoS:
802.11e WMM Supported

Ease of Use:
Web-based GUI with Quick Installation Wizard
Web-based (HTTP) firmware upgrade

Performance

Number of Clients:
Maximum:64
Recommend:50

Environment

Temperature (°C):
Operating:-40 ~ 55°C
Storage: -40°C ~ 70°C

Humidity (Non-condensing):
Operating Humidity: 10%~90% non-condensing
Storage Humidity: 5%~90% non-condensing

Installation:
Weatherproof IP65-rated housing

Physical Specifications

Dimensions (W x D x H mm):
257*87* 38 mm

Weight (g):
400

Approval and Compliance

EMI/EMS:
CE,FCC

Order Information

WAB-5010

Package Contents

WAB-5010
Pole Mounting Hose Clamp (40-64mm)
RJ45 Network Cable
Resource CD (User Manual, QIG)
Quick Installation Guide