



WAP-8021 Version: 2

AC1200 Dual Band Wireless Access Point, Desktop, Controller Managed

The LevelOne WAP-8021 is a managed, dual-band wireless access point, capable of a combined speed of up to 1200 Mbps. The device runs on 2.4 and 5 GHz frequencies, and can be used as part of a managed network when controlled by the LevelOne WAC-2000/WAC-2003 Wireless LAN Controller. A fast, easy and secure access point for a wide variety of network requirements.

Key Features

- Share your wireless network up to 1200Mbps
- Compatible with IEEE 802.11a/b/g/n/ac wireless standards
- Dual band technology reduces interference for reliable connections
- Provides up to 8 SSIDs to separate network traffic and enhance security
- Multi-operation modes to suit different wireless applications

Specifications

System Specifications

Standards & Protocols:

IEEE 802.3 10-BASE-T, Ethernet
IEEE 802.3u 100-BASE-TX, Fast Ethernet
IEEE 802.11e Wi-Fi Multimedia (WMM)
IEEE 802.3x Ethernet Flow Control
IEEE 802.11i Wi-Fi Protected Access (WPA2)
IEEE 802.11ac/n/a 5GHz; IEEE 802.11n/g/b 2.4GHz

Port:

1 *10/100/1000Mbps WAN port
4 *10/100/1000Mbps LAN port
1 *12 VDC Port
2 *USB Port

Button/Knob:

1* Reset Button

Indicator:

Power
System status

Power Input:

Power supply DC12V / 1.5A



Power Consumption:

<20W

Wireless

Operating Mode:

- Gateway Mode
- Repeater Mode
- AP Mode
- WISP Mode

Encryption:

WEP Encryption-64/128 bit ; WPA/WPA2 Personal (WPA-PSK using TKIP or AES);WPA/WPA2 Enterprise (WPA-EAP using TKIP)

Receive Sensitivity(dBm):

2.4 GHz Receive Sensitivity :

- 802.11b / Spatial Streams 1 / 20MHz / Data Rate SGI 400ns / 1Mbps : RSSI (-99)dBm
- 802.11b / Spatial Streams 1 / 20MHz / Data Rate SGI 400ns / 11Mbps : RSSI (-92)dBm
- 802.11g / Spatial Streams 1 / 20MHz / Data Rate SGI 400ns / 6Mbps : RSSI (-95)dBm
- 802.11g / Spatial Streams 1 / 20MHz / Data Rate SGI 400ns / 54Mbps : RSSI (-82)dBm
- 802.11n / HT MCS0 / Spatial Streams 1 / 20MHz / Data Rate SGI 400ns / 7.2Mbps : RSSI (-95)dBm
- 802.11n / HT MCS7 / Spatial Streams 1 / 20MHz / Data Rate SGI 400ns / 72.2Mbps : RSSI (-78)dBm
- 802.11n / HT MCS0 / Spatial Streams 1 / 40MHz / Data Rate SGI 400ns / 15Mbps : RSSI (-93)dBm
- 802.11n / HT MCS7 / Spatial Streams 1 / 40MHz / Data Rate SGI 400ns / 150Mbps : RSSI (-75)dBm
- 802.11n / HT MCS7 / Spatial Streams 2 / 40MHz / Data Rate SGI 400ns / 300Mbps : RSSI (-75)dBm

5.8 GHz Receive Sensitivity:

- 802.11a / Spatial Streams 1 / 20MHz / Data Rate SGI 400ns / 6Mbps : RSSI (-92)dBm
- 802.11a / Spatial Streams 1 / 20MHz / Data Rate SGI 400ns / 54Mbps : RSSI (-75)dBm
- 802.11n / HT MCS0 / Spatial Streams 1 / 20MHz / Data Rate SGI 400ns/ 7.2Mbps : RSSI (-91)dBm
- 802.11n / HT MCS7 / Spatial Streams 2 / 20MHz / Data Rate SGI 400ns / 72.2Mbps : RSSI (-72)dBm
- 802.11n / HT MCS0 / Spatial Streams 1 / 40MHz / Data Rate SGI 400ns / 15Mbps : RSSI (-88)dBm
- 802.11n / HT MCS7 / Spatial Streams 1 / 40MHz / Data Rate SGI 400ns / 150Mbps : RSSI (-70)dBm
- 802.11ac / VHT MCS0 / Spatial Streams 1 / 80MH / Data Rate SGI 400ns / 32.5Mbps : RSSI (-87)dBm
- 802.11ac / VHT MCS0 / Spatial Streams 2 / 80MH / Data Rate SGI 400ns / 65Mbps : RSSI (-87)dBm
- 802.11ac / VHT MCS9 / Spatial Streams 1 / 80MH / Data Rate SGI 400ns / 433.3Mbps : RSSI (-61)dBm
- 802.11ac / VHT MCS9 / Spatial Streams 2 / 80MH / Data Rate SGI 400ns / 866.7Mbps : RSSI (-61)dBm

Channel:

2.4GHz:

- Ch.1 ~ 11 USA
- Ch.1 ~ 13 EU

5.8GHz:

- Ch.36~64 , 100~128 , 132~140 , 149~165 USA
- Ch.36~64 , 100~128 , 132~140 EU

EIRP(dBm):

- 2.4 GHz Radio: EIRP < 20dBm
- 5.8 GHz Radio: EIRP < 20dBm

Antenna:

6dBi Omni Antenna*6 (2.4GHz*3 + 5.8GHz*3)

Frequency Band:

- 2.4 ~ 2.4835 GHz
- 5.180 ~ 5.825GHz

Modulation:

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

Data Transfer Rate:**2.4GHz:**

802.11g (20MHz): 6 ~ 54 Mbps
802.11b (20MHz): 1 ~ 11 Mbps
802.11n (40MHz): 30 ~ 300 Mbps

5.8GHz:

802.11n (40MHz): 30 ~ 300 Mbps
802.11ac (80MHz): 65 ~ 866.7 Mbps

Features**General:**

Multi-SSID: 8 SSIDs (2.4GHz*4 SSIDs + 5.8GHz*4 SSIDs)

PoE:

Not Support

Security:

SSID Broadcast On/Off
Tag VLAN

Management:

WEB interface

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:128
Recommend:100

Environment**Temperature (°C):**

Operating: -20°C~55°C
Storage: -40°C~70°C

Humidity (Non-condensing):

Storage:5%~95%
Operating: 10 ~ 90%

Installation:

Ceiling Mount

Physical Specifications**Dimensions (W x D x H mm):**

198mm*128mm*28mm

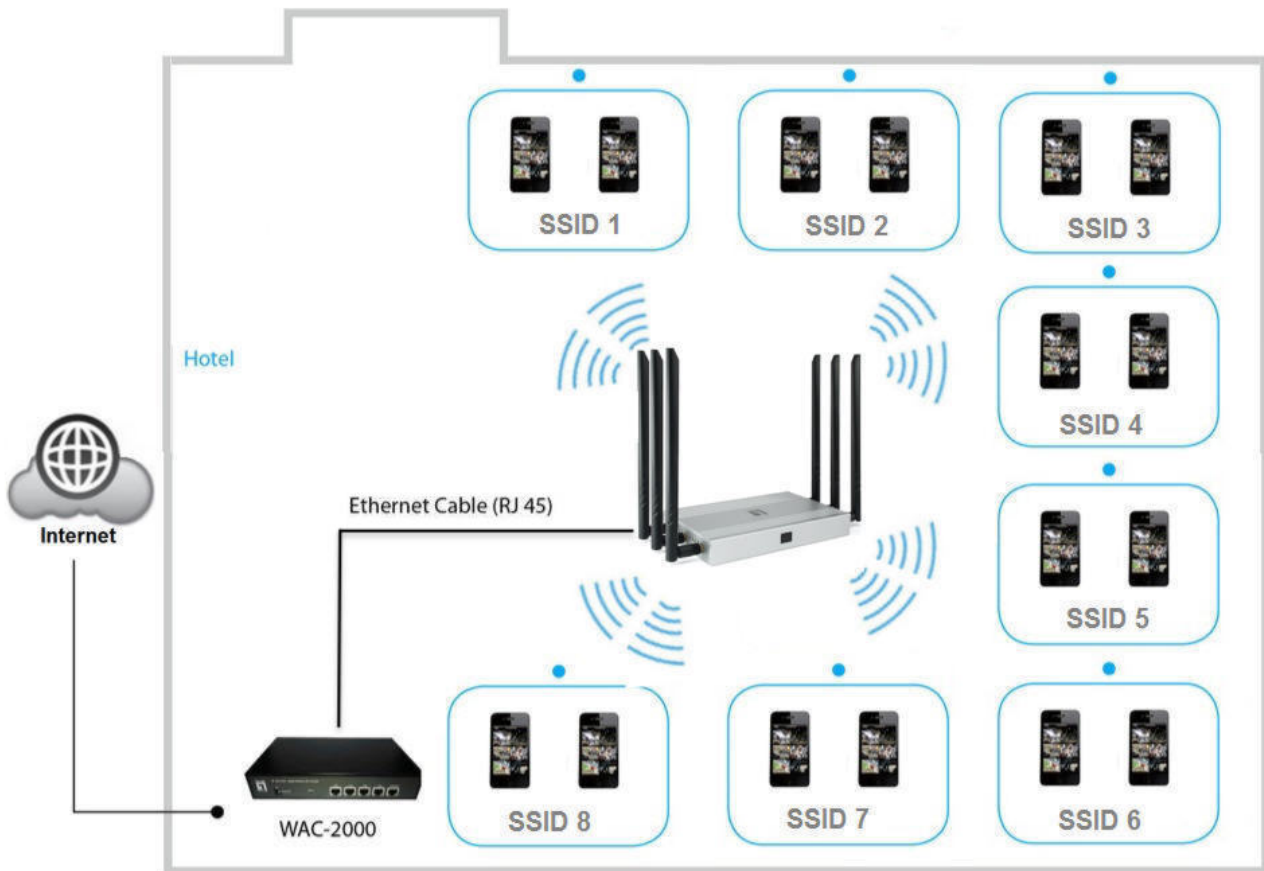
Approval and Compliance**EMI/EMS:**

CE



Diagram

Multi-SSID: 8 SSIDs (4 SSID for 2.4GHz , 4 SSID for 5.8GHz)



Order Information

WAP-8021

Package Contents

WAP-8021
Power Adapter
RJ45 Network Cable
Resource CD (User Manual, QIG)
Quick Installation Guide
Antenna

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