

11g Wireless Outdoor Access Point

Ideal Outdoor Wireless Solutions -- LevelOne WAP-1001 wireless outdoor access point with built-in 12dBi directional antenna provides a cost-effective, high-speed outdoor wireless solution. With the proven technology, WAP-1001 delivers data rates of up to 54 Mbps in the 2.4 GHz frequency band, and outstanding performance in all aspects.

Multiple Operations -- Our WAP-1001 supports AP/ AP Client/ Bridge/ Repeater multiple operation modes. By setting this device into the AP client mode, it can provide any Ethernet device with instant wireless networking capabilities by placing Ethernet devices anywhere to enable interoperability among wireless network and Ethernet devices. The Repeater mode operation can repeat wireless signals from AP to wireless clients thus extending the WLAN range. There are two different approaches to Bridge modes: point-to-point, which allows to bridge network between two remote locations; and point-to-multiple point, which is normally used for business ISPs, warehouse connections, campus overages and last mile applications.

Robust Security -- Security is the most important issue for wireless connections. In addition to providing basic security control by using ESSID and 64/128/152-bit key length WEP encryption, this access point also supports such advanced security features as WPA-PSK and WPA to provide enhanced level of security, MAC access filtering and ESSID broadcast disable function to protect your network from unauthorized access.

Easy to Install and Management -- The WAP-1001 features IP66 rated watertight and weatherproof metal housing to avoid water invasion and weather corrosion, thus making it ideal for outdoor installations. The built-in POE function allows you to reduce power cable and adapter expenses and increase location options while deploying wireless outdoor AP installation anywhere. All configuration and maintenance of this AP can be done with a web browser through the web-based management interface.

With features including low cost, low power consumption, high security and good wireless coverage, WAP-1001 allows service providers or enterprises to deploy WAN or LAN rapidly for their customers.



WAP-1001

Related Products



WAB-2000A/H

108Mbps Wireless Mesh
Outdoor AP/Bridge



WBA-4000

11a Wireless Outdoor Bridge

Key Features

- Complies with IEEE 802.11b/g standards
- Built-in 12dBi directional antenna
- Highly efficient design mechanism to provide unbeatable performance
- IP-66 rated water-resistant and weatherproof metal housing
- Power over Ethernet design to eliminate power cable and adapter expense
- Supports AP/ Wireless Client/ Repeater/ Point-to-Point, Point-to-Multi Point bridge Modes
- Support 64/128/152-bit WEP encryption, WPA and WPA-PSK wireless security

Technical Specification

Standard Conformance

IEEE802.11b/g
IEEE802.3; IEEE802.3u; IEEE802.3x

LAN Port

1 x 10/100 Mbps Auto-MDIX RJ-45 Ethernet port

Radio Operation

Modulation

IEEE802.11b: CCK, DQPSK, DBPSK
IEEE802.11g: OFDM

Frequency Band

America/FCC: 2.412~2.462 GHz (11 Channels)
Europe CE/ETSI: 2.412~2.472 GHz (13 Channels)
Japan: 2.412~2.484 GHz (14 Channels)
France: 2.457~2.472 GHz (4 Channels)

Data Transfer Rate

802.11b up to 11 Mbps (1/2/5.5/11 Mbps)
802.11g up to 54 Mbps (6/9/12/18/24/36/48/54 Mbps)

Sensitivity

-88dBm@11Mbps, PER<8%
-74dBm@54Mbps, PER<10%

Antenna Type

Integrated 12dBi flat panel antenna

Transmission Power:

802.11b: 18dBm
802.11g: 14dBm

Operation mode

AP Mode/Wireless client
Repeater Mode
Point to Point Bridge Mode
Point to Multi Point Bridge Mode

Security

WEP 64/128/152-bit encryption,
Wi-Fi protected Access (WPA)
WPA-PSK

Software

Site Survey
DHCP Client
Wireless access control by MAC address (deny or accept)
WPA Support (WPA personal and enterprise)
Web-based configuration via popular browser (MS IE, Netscape)
Firmware upgrade via Web
Reset to default by WebUI

Physical Spec.

Housing

IP-66 Rated housing

POE Power Spec

Power Input: 48VDC, 300mA
Power Supply: 100~240V, 50~60Hz, 0.25A

Temperature

Operation: -20°C ~ +70°C

Humidity

10%~90%(non-condensing)

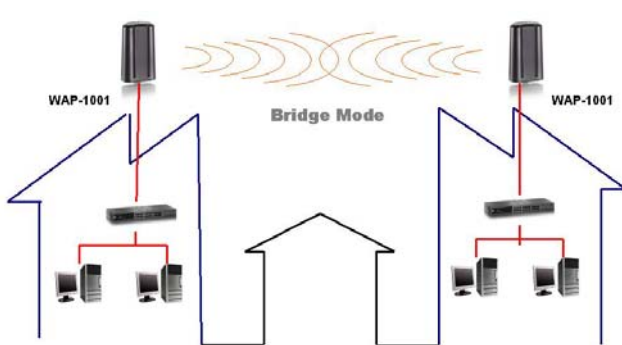
Dimensions

320mm(W) * 310mm(D) * 48mm(H)

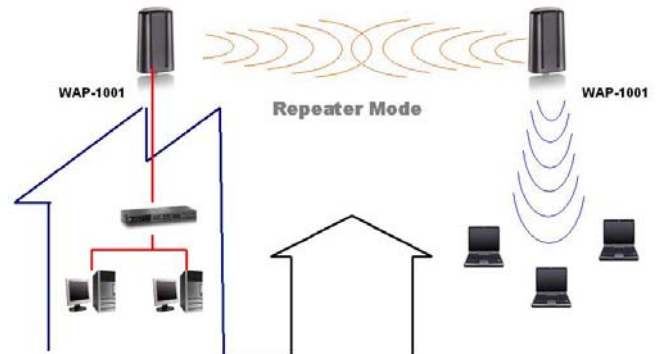
Certification

FCC, CE

Product Diagram

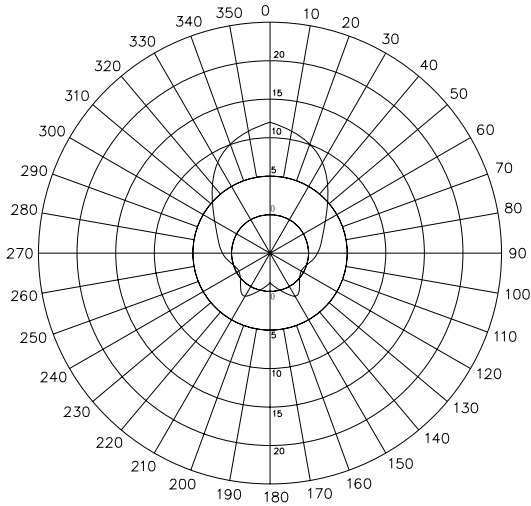


Bridge Mode Operation

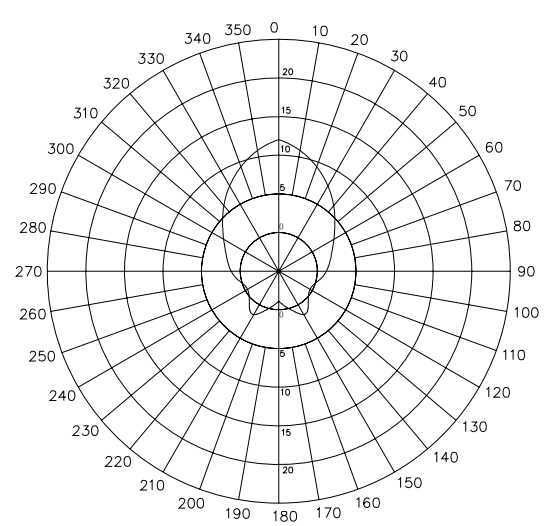


Repeater Mode Operation

H-PLANE FIELD PATTERNS



E-PLANE FIELD PATTERNS



Ordering Information

- WAP-1001: 11g Wireless Outdoor Access Point

For more information, please contact your LevelOne representative, or visit our website
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