



WAB-6121 Version: 1

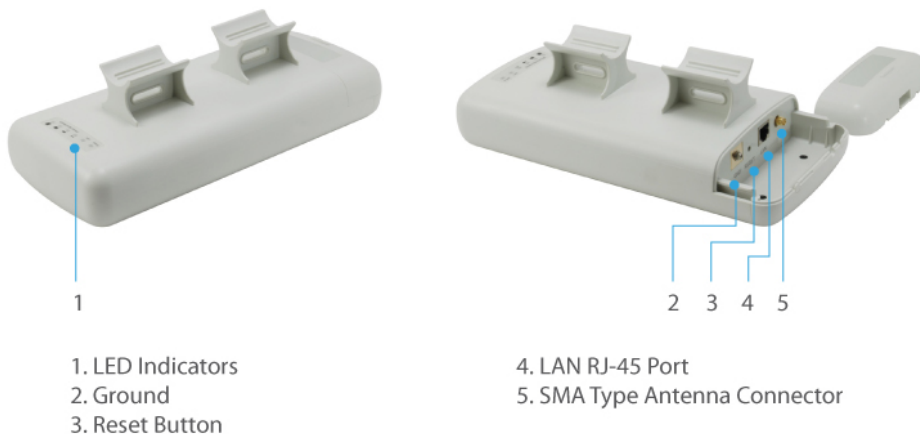
150Mbps Wireless Outdoor Passive PoE Access Point

The LevelOne 150Mbps Outdoor Wireless Access Point WAB-6121 is dedicated to long distance outdoor wireless networks. The device combines the functions of a Wireless Access Point, WISP Client, Firewall and NAT-Router, resulting in a highly versatile, integrated and low-maintenance WiFi connection. As the WAB-6121 features high output power and receiving sensitivity, it allows users to significantly extend the transmission range of an outdoor signal, as well as reducing dead spots to deliver a more stable wireless connection.

The WAB-6121 provides four operational modes to accommodate a variety of user environments: AP, Bridge, Client and Repeater. In AP mode, it can access the Internet via an ADSL/Cable Modem and act as an access point. In Bridge mode, it joins in a WLAN by bridging with other WDS devices. In Client mode, it works as a WISP CPE. In Repeater mode it expands the existing WLAN.

The LAN interface supports Passive PoE, which can supply data and power with a single cable. Antenna Alignment, throughput monitor, Ping Watch Dog and Link Speed Test give you more flexibility to manage the network.

The versatile outdoor AP also supports switching antenna mode in Horizontal-Polarized, Vertical-Polarized, adaptive and external detachable antenna.





Key Features

- Compatible with IEEE 802.11b/g/n wireless standards
- Supports WEP, WPA and WPA2 encryption with IEEE 802.1X for high level security
- User-friendly Web and SNMP-based management interface
- High power and receiver sensitivity designed to boost your signal coverage and link speed
- Upgradable RPSMA-type connector for optional high-gain antenna which is switchable by SW
- Supports 12V/1A Passive Power over Ethernet (PoE)
- Weatherproof IP44-rated housing

Specifications

System Specifications

Connectors and Cabling:

1x 10/100 Mbps Auto-MDIX RJ-45 Port

Button:

Reset Button

Indicator:

Power, LAN, Wireless Signal Strength

Power:

Passive Power over Ethernet (PoE)

Power supply DC12V/1A

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 802.1X Port-based Network Access Control (PNAC)

IEEE 802.3x Ethernet Flow Control

IEEE 802.11i Wi-Fi Protected Access (WPA2)

IEEE 802.11b, IEEE 802.11g, IEEE 802.11n Wireless Networking

Wireless

Operating Mode:

AP Router / AP Client Router(WISP) / AP / Client / Bridge / Repeater

Encryption:

WEP 64/128-bit Web share key encryption

WPA, WPA2 128-bit TKIP/AES encryption

WPA, WPA2-PSK TKIP/AES encryption

802.1x RADIUS support

Receive Sensitivity(dBm):

802.11n:Range(-76~-87)dBm

802.11g:Range(-79~-95)dBm Error Rate = 10% at room temperature.

802.11b:Range(-89~-95)dBm Error Rate = 8% at room temperature.

Channel:

Ch.1 ~ 11 USA

Ch.1 ~ 13 EU

EIRP(dBm):

802.11n: 21dBm \pm 2dBm

802.11g: 21dBm \pm 2dBm

802.11b: 25dBm \pm 2dBm

Antenna:

Default embedded 12dBi Dual-Polarized Directional Antenna

Beamwidth: Horizontal: 60°, Vertical: 30°; reverse SMA-type Connector (Plug)

Frequency Band (GHz):

2.4 ~ 2.4835 GHz

Data Transfer Rate:

802.11n: 150 ~ 78 Mbps

802.11g: 54 ~ 6 Mbps

802.11b: 11 ~ 1 Mbps

Features

General:

Auto Channel Selection

WPS setup with WEB-GUI Support

Multi-SSID: 2 SSIDs

Security:

802.1x RADIUS support

Wi-Fi Protect Setup (WPS) Push Button

SSID Broadcast On/Off

Management:

Web-Based GUI Configuration

Syslog monitoring

SNMP V1/V2c supported

QoS:

802.11e WMM Supported

Ease of Use:

Web-based GUI with Quick Installation Wizard

Web-based (HTTP) firmware upgrade

Environment

Temperature (°C):

Operating: -30°C ~ 70°C

Storage: -40°C ~ 70°C

Humidity (Non-condensing):

Storage: 5 ~ 95%

Operating: 10 ~ 90%

Physical Specifications

Dimensions (W x D x H mm):

265 x 120 x 83mm

Diameter:

265 x 120 x 83 mm

Weight (g):

820 g

Enclosure:

IP44

Others

Approval and Compliance:

CE, FCC

Deployment:

Desktop, wall-mounted

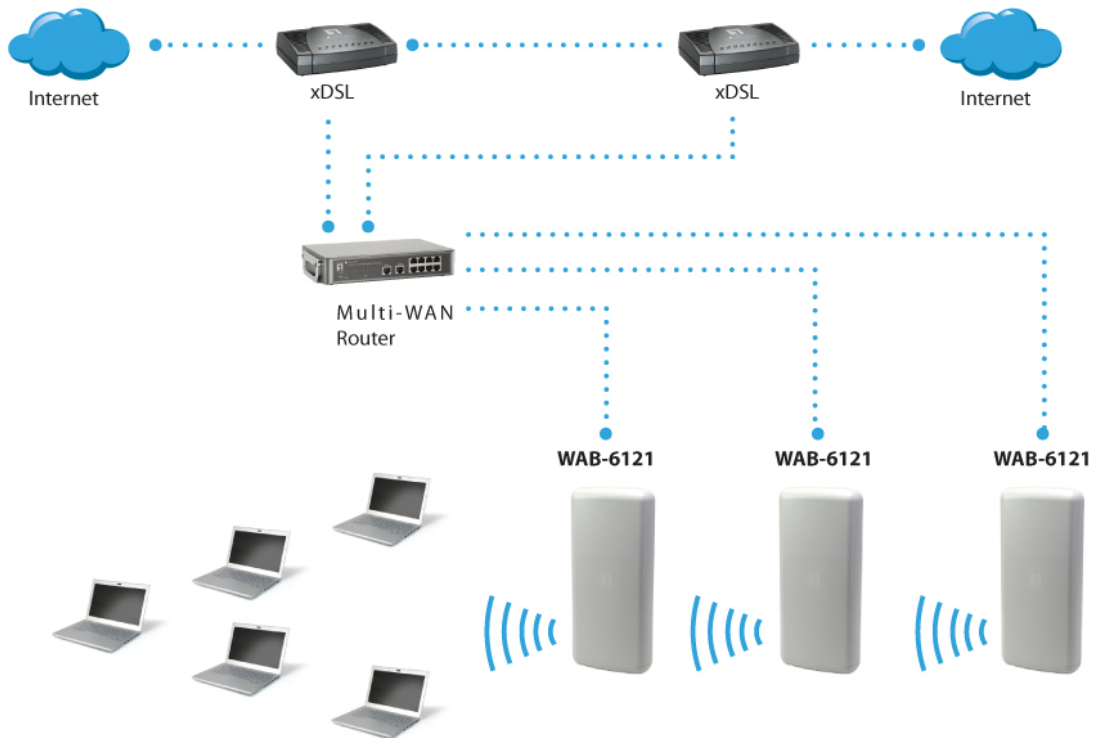


Diagram

WDS Mode



AP Mode



Order Information

WAB-6121

Package Contents

Power Adapter
RJ45 Ethernet Cable
PoE Injector
Quick Installation Guide
Resource CD (User Manual, QIG)

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