



# 11g Wireless PoE Access Point



WAP-3100

H/W Version: 1

## Product Overview

The LevelOne WAP-3100 11g Wireless PoE Access Point acts as a bridge between wired Ethernet and Wireless 11b/g network for wireless clients to access available wired and wireless networks. It also features PoE capability for easy deployment within a PoE enabled network.

## Multiple Operation Modes

The WAP-3100 supports AP, AP Client, WDS bridging and Repeater wireless operation modes for flexible deployment and use within a standard Local Area Network. For standard operations, the WAP-3100 connects to a LAN, broadband ADSL router or network switch and provides instant network access to connected wireless clients. With WDS+AP mode the WAP-3100 is able to act as a bridge between two or more networks, combining them into a

single network to provide wireless users with access to both networks. In Repeater mode, the WAP-3100 extends the wireless area network to different locations.

## Robust Wireless Security

The WAP-3100 provides 64/128-bit WEP encryption as well as WPA, WPA2 secured connectivity for securing the Wireless Area Network and to prevent unauthorized access.

## Plug-and-Play Expansion of Home/Office Network

The LevelOne WAP-3100 Wireless AP is an easy to install "plug-and-play" access point with an easy to use Web-based user interface. The WAP-3100 requires little set-up and configuration and features an LED display for quick monitoring of network errors and activity.



1. LED Indicators
2. Reset Button
3. LAN Interface
4. Power Port

## Key Features

- IEEE 802.11b/g compliant Wireless Access Point suitable for extending an existing LAN
- Features a 1-port Fast Ethernet interface
- Provides a wide area coverage range
- Features WPA, WPA2, 64/128-bit WEP encryption and other advanced network security features
- Full LED display panel for error detection and network monitoring
- Compact design for desktop or wall-mounting
- Plug-and-Play enabled for easy setup and configuration
- Web-based configuration interface

## Works Well With



**WNC-0305USB**  
54 Mbps Wireless USB Adapter



**WPC-0301**  
11g Wireless CardBus Card

## Technical Specification

### Standards

IEEE 802.11g, IEEE 802.11b, 802.3af PoE

### Network Interface

1x10/100Mbps LAN

### Radio Operation

#### Data Transfer Rate

802.11g: up to 54Mbps

802.11b: up to 11Mbps

#### Modulation

802.11g: OFDM

802.11b: CCK, QPSK, BPSK

#### Media Access Control

CSMA/CA with ACK

#### Frequency Band

2.4GHz ~ 2.4835GHz

#### Number of Channels

Channel 1 ~ 11 North America

Channel 1 ~ 13 Europe, Japan

#### Antenna

1 x 2dBi external detachable dipole

#### Receiver Sensitivity(Typical)

802.11g: 10% PER, -68 dBm @ 54Mbps

802.11b: 8% PER, -81 dBm @ 11Mbps

#### Transmitter Output Power(Typical)

802.11g: 15dBm

802.11b: 18dBm

#### Operation Range

Indoor: approx.up to 50 meters

Outdoor: approx.up to 100 meters

#### Operation Mode

- AP mode
- AP Client mode
- Bridge mode
- Multiple bridge mode
- Repeater mode

### Network Security

- WEP-64/128 bit
- WPA
- WPA-PSK
- WPA2
- WPA2-PSK
- Disable SSID Broadcast
- MAC address filtering

### Management

- Web-based configuration
- OS Supported: Windows 2000/XP/Vista

### Physical Specifications

#### LED

- Power
- LAN
- WLAN

#### Power Adapter

DC 7.5V, 1A

#### Temperature

Operating: 0 ~ 40°C

Storage: -25 ~ 70°C

#### Humidity

10% ~ 95% (Non-condensing)

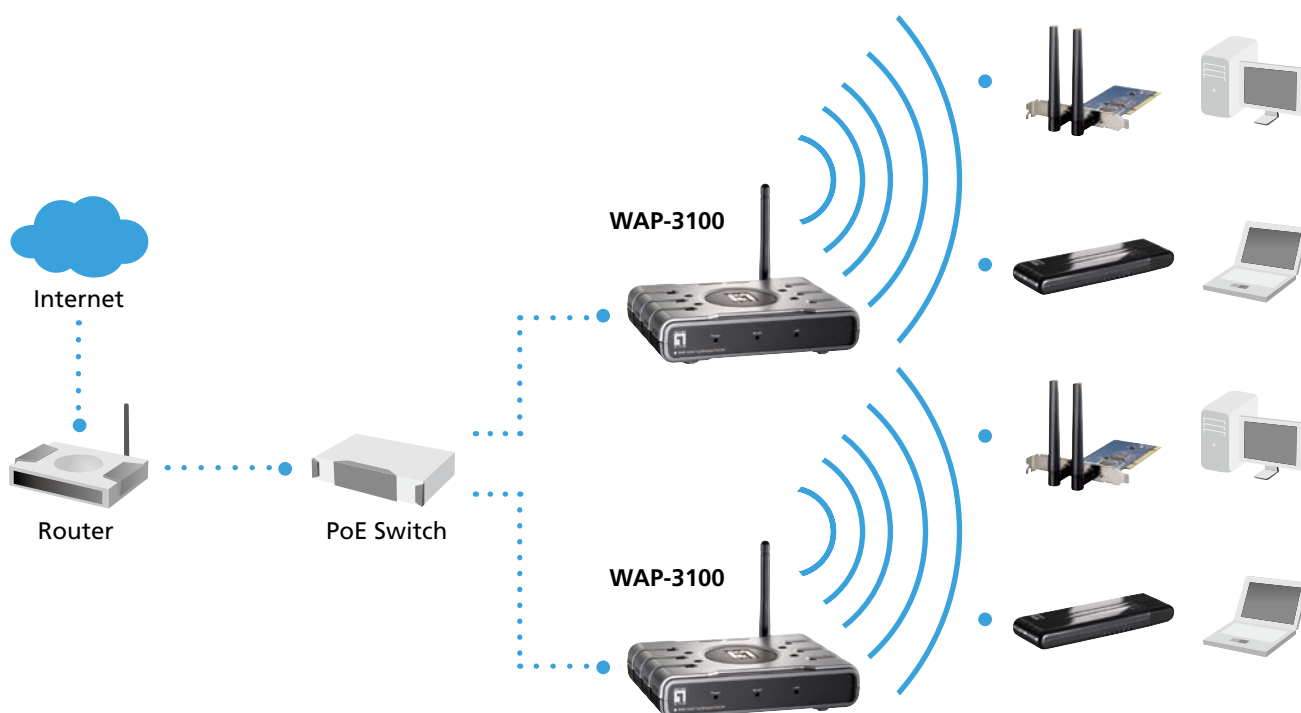
#### Dimensions

146mm (L) x 113mm (W) x 32mm (H)

### Certifications

CE,FCC

## Product Diagram



## Order Information

**WAP-3100:** 11g Wireless PoE Access Point

## Package Content

WAP-3100

Power Adapter

Antenna x 1

LAN Cable

Quick Installation Guide

CD Manual