

## 11g PoE Wireless Access Point

### Product Overview

The LevelOne WAP-3100 11g PoE Wireless 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.

### Extended Wireless Coverage

The WAP-3100 Wireless Access Point is compliant with the IEEE 802.11b (11Mbps) and IEEE 802.11g (54Mbps) standards and features a high-quality radio chip that is able to provide directional area coverage for up to 50 meters indoors and 100 meters outdoors.

### 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 a LED display for quick monitoring of network errors and activity.



**WAP-3100**

## 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

Digital Data Communications GmbH.

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### Technical Specification

#### Network Interface

##### Standards

IEEE 802.3u Ethernet  
IEEE 802.11b/g  
IEEE 802.3af PoE

##### Network Interface

1x 10/100 Mbps RJ-45 port  
1x Wireless Access Point

#### AP Radio Operation

##### Wireless Standards

802.11b: DSSS  
802.11g: OFDM

##### Transmission Rate

1 ~ 54Mbps (auto sense)

##### Receiver Sensitivity

54Mbps: Typical -68dBm @ 10% PER (Packet Error Rate)  
11Mbps: Typical -78dBm @ 8% PER (Packet Error Rate)

##### Wireless LAN Frequency Range

2.412 ~ 2.484 GHz ISM band (channels 1 ~ 14)

##### Modulation Schemes

DBPSK/DQPSK/CCK/OFDM

##### Media Access Protocol

CSMA/CA with ACK

##### Transmit Power

802.11g: Typical 15dBm  
802.11b: Typical 18dBm

##### Antenna Type

One external 2dBi dipole antenna

##### Range Coverage

Indoor: Up to 50m  
Outdoor: Up to 100m

##### Wireless Security

64/128-bits WEP Encryption/Decryption  
WPA, WPA2, WPA-PSK, WPA2-PSK

#### Device Management

##### OS Supported

Windows 2000(SP4)/XP/Vista/MAC OSX/Linux

##### User Interface

Web-based configuration

##### Firmware Upgrade

HTTP

#### Physical Specifications

##### External Power Supply

7.5V, 1A

##### Power over Ethernet Power Supply

4.8VCD

##### LED

Power, Link/Activity

##### Temperature

Operating: 0°C ~ 40°C  
Storage: -25°C ~ 70°C

##### Humidity

10% ~ 90% (Non-condensing)

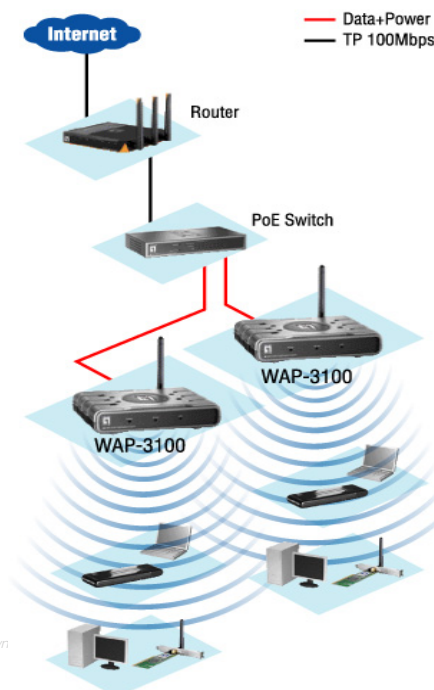
##### Dimension & Weight

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

##### Certifications

FCC, CE, ETS

### Product Diagram



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### Order Information

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

### Package Contents

- WAP-3000 11g Wireless Access Point
- Power Adapter
- LAN Cable
- User Guide
- Quick Installation Guide