level one®

11g Wireless Access Point

WAP-3000

H/W Version: 1

Product Overview

The LevelOne WAP-3000 11g Wireless Access Point acts as a bridge between wired Ethernet and Wireless 11b/g networks for wireless clients to access available wired and wireless networks.

Multiple Operation Modes

The WAP-3000 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-3000 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-3000 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-3000 extends the wireless area network to different locations.

Robust Wireless Security

The WAP-3000 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-3000 Wireless AP is an easy to install "plug-and-play" access point with an easy to use Web-based user interface. The WAP-3000 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

1   2   3   4

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 for a secured wireless network
- Supports multiple wireless operation modes
- 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

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
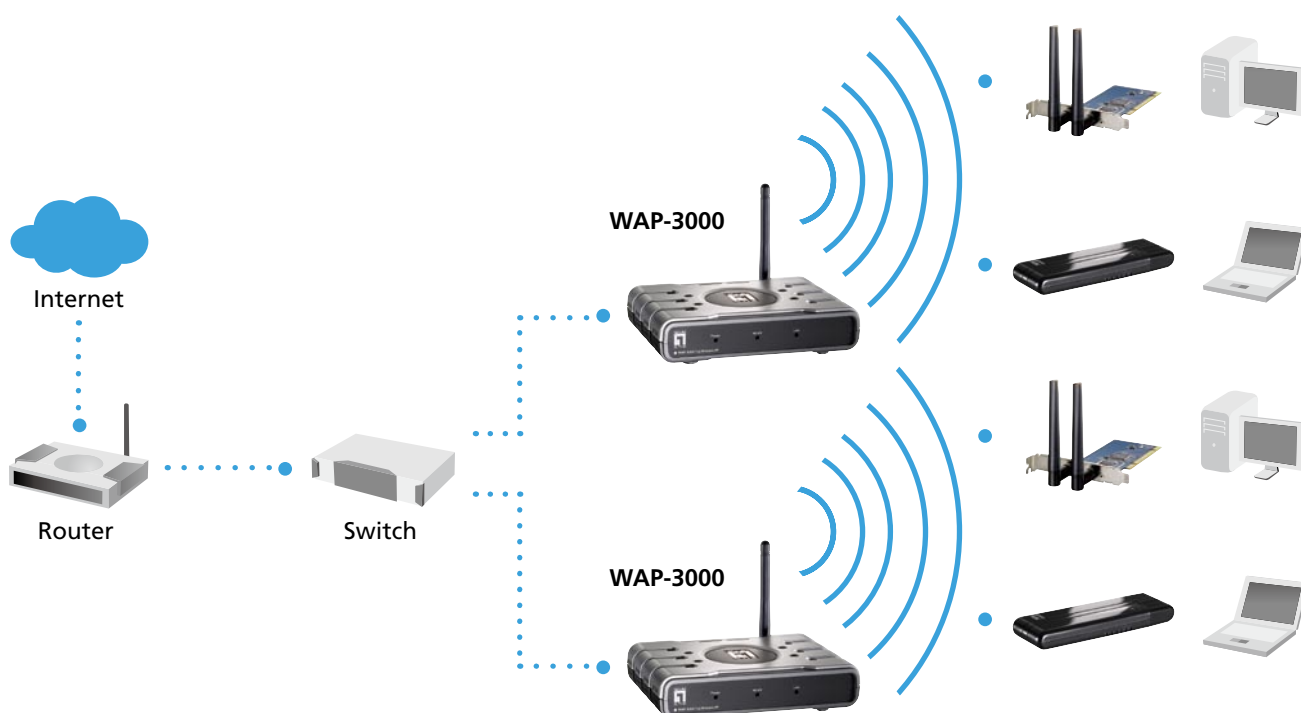Storage: -25 ~ 70°C

Humidity
10% ~ 95% (Non-condensing)

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

Certifications

CE,FCC

Product Diagram

Order Information	**WAP-3000:** 11g Wireless Access Point
Package Content	WAP-3000
	Power Adapter
	Antenna x 1
	LAN Cable
	Quick Installation Guide
	CD Manual