



300Mbps N_Max Wireless Gigabit PoE Access Point



WAP-6012

H/W Version: 1

LevelOne's WAP-6012 300Mbps N_Max Wireless Gigabit PoE Access Point is designed specifically for business-class environments such as SOHO or enterprises to provide security for network administrators.

Ultimate Wireless Performance

The WAP-6012 allows network administrators to deploy a highly manageable, robust wireless network. For advanced installations, this new high-speed Access Point has integrated 802.3af Power over Ethernet (PoE) support, allowing installation of this device in areas where power outlets are not readily available.

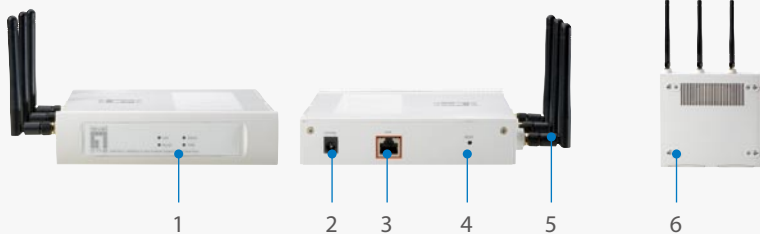
High Security

The WAP-6012 provides the latest in wireless security technologies by supporting both personal and enterprise versions of WPA and WPA2 (802.11i) with

support for a RADIUS (802.11x) server backend. It includes support for up to 8 VLANs for implementing multiple SSIDs to further help segment users on the network. It also includes a wireless client isolation mechanism, which limits direct client-to-client communication.

Multiple Operation Modes

The WAP-6012 is a feature-rich 11n access point that supports AP, Bridge, WDS, and Repeater modes for customized wireless deployments. In WDS mode, the WAP-6012 acts as a wireless bridge to connect separate wireless networks into one. This provides more users with greater access to network resources. In Repeater mode, the WAP-6012 allows extended coverage and greater signal strength for greatly improved distance coverage of the Wireless network (WLAN).



1. LED Indicators
2. Power Port
3. PoE LAN Port
4. Reset Button
5. Detachable Antennas
6. Wall Mount Holes

Key Features

- 3 antennas with 2T/3R MIMO technology for Wireless Data Rates of up to 300Mbps
- Compatible with IEEE802.11b/g/n wireless standards
- Supports 8 multi-SSIDs assignment for different clients
- Provides 1 Gigabit Ethernet port (1000Mbps)
- 802.3af Power over Ethernet (PoE) for simple deployment
- Supports AP, AP Client, Bridge, WDS and Repeater Modes
- Supports WEP, WPA, WPA2 and 802.1x for high security
- Supports Wi-Fi Protected Setup (WPS)
- Supports SNMP(Simple Network Management Protocol)

Works Well With



WGR-6012
300Mbps N_Max Wireless Gigabit Router



GEP-0520
4 GE PoE Port + 1 GE Switch



Technical Specification

LAN-Interface

1 x Auto-MDIX RJ-45 10/100/1000Mbps PoE port

Wireless Data Transfer Rate

Rx Sensitivity: 11n: 300Mbps@ -69dBm, 11g: 54Mbps@ -73dBm, 11b: 11Mbps@ -88dBm OFDM; 802.11b: CCK (11Mbps, 5.5Mbps), DQPSK (2Mbps), DBPSK (1Mbps)

Operating Frequencies

802.11 g/n:2.412~2.4835(US,ETSI)

Operating Channels

Ch.1 ~ 11 USA

Ch.1 ~ 13 EU

Transmit Power@Normal Temp Range

3T x For FCC:

MAX. :22.5 dBm @11b mode

MAX. :20.5 dBm @11g mode

MAX.: 22.5dBm @11n mode

3T x For ETSI

MAX.: 18.5dBm @11b/g/n modes

Antenna

3 x 2 dBi detachable antennas

Operating Temperature

0 °C~ 40°C

Storage Temperature

-20°C~70°C

Power Adapter

DC 12V/1A

Wireless

Access point support

Roaming support

IEEE 802.11b/g/n compliance

Auto Sensing Open System / Share Key authentication

Wireless Channels Support

Automatic Wireless Channel Selection

Country Selection

Preamble Type: long or short support

RTS Threshold Adjustment

Fragmentation Threshold Adjustment

Beacon Interval Adjustment

8 x Multi-SSID assignment

802.11i pre-authentication

Short Slot time support

IEEE 802.11d

CTS-only & CTS/RTS protect mechanism support

WMM support

WPS support

Wireless isolation

Operation Mode

Common AP+PTMP/PTP

Universal Repeater

Universal Client

Rogue AP Detection

Security

WPA, WPA-PSK, WPA-PSK and WPA2-PSK, WPA/WPA2 (802.11i) and Radius (802.1x)

EAP-MD5, EAP-TLS, EAP-TTLS, PEAP

RADIUS based MAC authentication

Block inter-wireless station communication (wireless separation)

Block SSID broadcast

Management

Web based configuration

Configurable Web port

RADIUS Accounting

RADIUS-On feature

RADIUS Accounting update

Telnet/CLI

Syslog/internal Log

Access Control list

Editable Configuration file backup/Restore

Statistics support

SNMP v1/v2/v3

LLTD

Only wired users to be able to control

Auto configuration

Other Features

DHCP client

WINS client

Radius client

Enable/Disable wireless

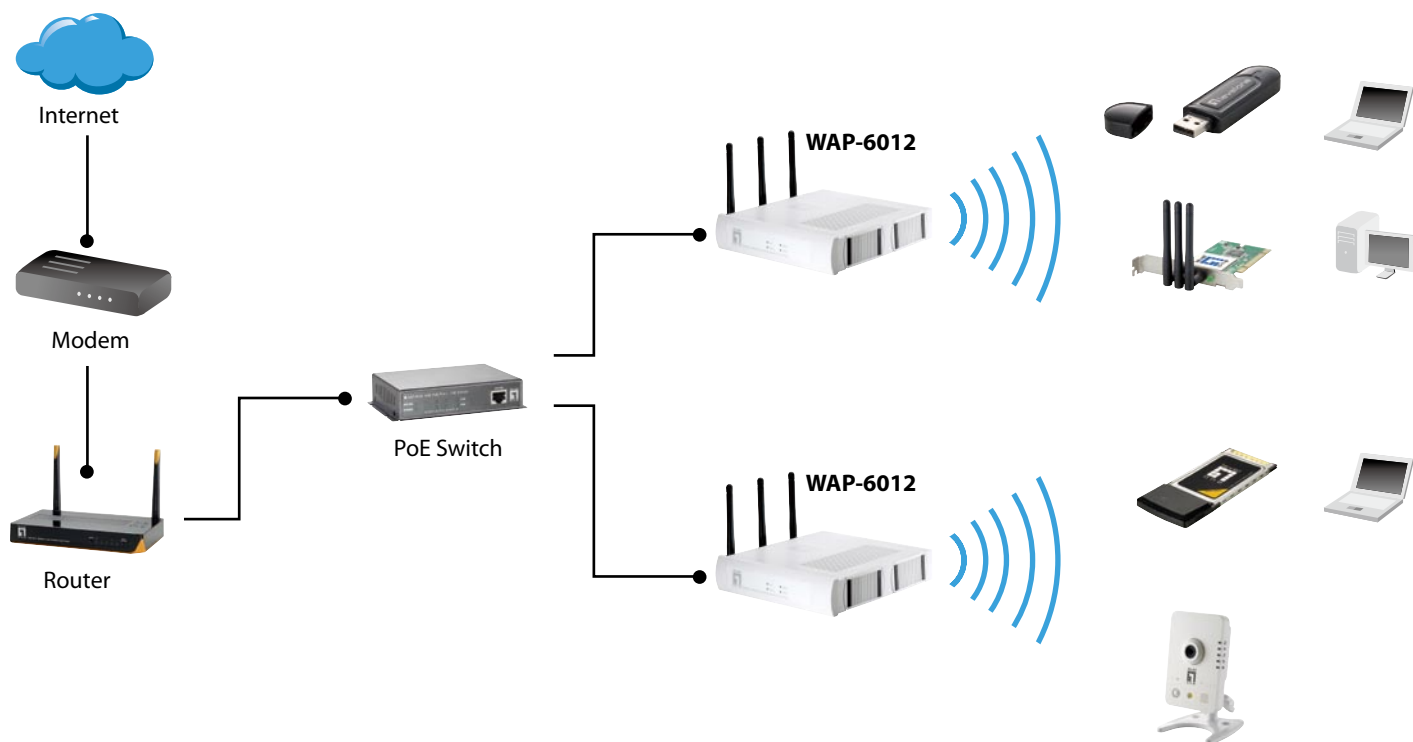
Network Integrity Check

FTP client

Firmware Upgrade

HTTP/FTP network protocol download

Product Diagram



Order Information

Package Content

WAP-6012: 300Mbps *N_Max* Wireless Gigabit PoE Access Point

WAP-6012

LAN Cable

Power Adapter

Quick Installation Guide

CD Manual