



## 300Mbps N\_Max Wireless Access Point



WAP-6011

H/W Version: 1

### Ultimate Wireless Performance

With speeds up to 300Mbps, LevelOne's N\_Max Wireless Access Point offers big improvements compared to legacy 11g devices. For users that require top speeds for internet surfing, video, and large file transfers, all at the same time, the WAP-6011 handles simultaneous wireless traffic easily and efficiently.

### Multiple Operation Modes

The WAP-6011 is a feature-rich 11n access point that supports AP, AP client, WDS, and Repeater modes for customized wireless deployments. In WDS mode, the WAP-6011 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-6011 allows extended coverage and greater signal strength for greatly improved distance coverage of the Wireless network (WLAN).

### Robust Wireless Security Push-Button

The WAP-6011 provides WEP and WPA/WPA2 for secure wireless networking. By simply pushing a button, users can setup their wireless network security to prevent access by unauthorized users.



1. Security LED Indicators
2. WiFi Protected Setup (WPS) Button
3. LED Indicators
4. Reset Button
5. Power Port
6. LAN Interface

### Key Features

- 2 antennas with 2T/2R MIMO Technology for wireless data rates of up to 300Mbps
- Provides 1-Port 10/100Mbps LAN interface
- Supports IEEE 802.11n Wireless standards at speeds up to 300Mbps
- Backwards compliant with 802.11b/g wireless connections
- Supports Wireless Security with WEP, WPA, WPA2 and 802.1x RADIUS
- Supports Multi-SSID (Up to 8 SSIDs)
- Quick and Easy Setup Wizard

### Works Well With



**WBR-6011**  
300Mbps N\_Max Wireless Router



**WCS-0030**  
Wireless H.264 Megapixel PIR Lighting IP Camera

## Technical Specification

### LAN specification

#### Supported standards:

IEEE802.3, IEEE 802.3u 10/100Base-TX, auto negotiation, auto MDIX

Interface Connector: RJ45:

Number of ports: One

Standard: 100BASE-TX/10BASE-T Auto

Full Duplex/Half Duplex: Auto

MDI/MDI-X : Auto

#### Recommended cable:

100BASE-TX: Category 5 or more

10BASE-T: Category 3x or more

#### Wireless LAN specification

Support Standard: IEEE 802.11b/g

Transfer rate: -IEEE802.11b11M/5.5M/2M/1M

IEEE802.11g54M/48M/36M/24M/18M/12M/11M/9M/6M TBD

IEEE802.11n 300M/270M/ 243M/240M/216M/180M/162M/

120M/108Mbps in 40Mhz mode 145M/130M/117M/104M/ 78

Mbps in 20Mhz mode

#### Bandwidth

IEEE802.11b: Over 5Mbps

IEEE802.11g: Over 20Mbps

IEEE802.11n: Over 60Mbps(20Mhz mode) /100Mbps(40Mhz mode). Depends on Clients

#### Number of channels

IEEE802.11b: 2.4GHz ~ 2.485GHz / 1 ~ 13ch

IEEE802.11g: 2.4GHz ~ 2.485GHz / 1 ~ 13ch

IEEE802.11n: 2.4GHz ~ 2.485GHz / 1 ~ 13ch

#### Transmission mode

IEEE802.11b: CCK (11 Mbps, 5.5 Mbps) DQPSK (2 Mbps) DBPSK (1 Mbps)

IEEE802.11g: OFDM

IEEE802.11n: OFDM

#### Modulation system

IEEE802.11b: DBPSK, DQPSK, CCK

IEEE802.11g: BPSK, QPSK,16-QAM, 64-QAM, OFDM

IEEE802.11n: BPSK, QPSK,16-QAM, 64-QAM, OFDM

#### Access method

CSMA/CA

#### Security

WEP(64/128)

WPA/WPA-PSK(Personal);WPA2/WPA2-PSK(Personal)

TKIP, AES

Stealth AP (Hidden ESSID)

MAC address filtering

WPS button support

Wireless client Isolation

802.1x w/Radius

Infrastructure

### Correspondence mode

#### Antenna power

1.8dBi

#### Antenna type

External detachable x 2

#### PA RF power:

17dBm

#### Transmission range

Indoor 200~280m/outdoor 450~600m

### Other

#### Reset button

Reset to Factory: Push and hold on >5 seconds

Reboot: Push and release

#### WPS

Support Wi-Fi protected Security

#### Power unit

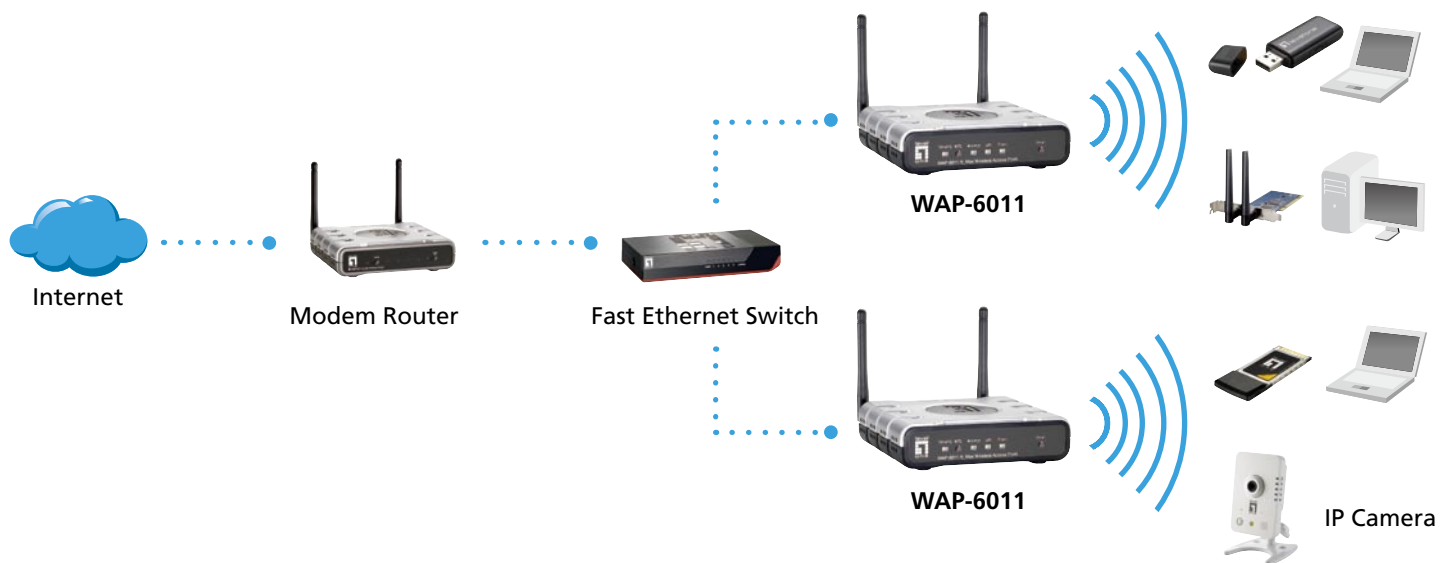
DC 12 V/1A

#### Environmental conditions

Operating Temperature 0 ~ 40°C/Humidity 85% or less(non-condensing)

Storage Temperature 20 ~ 70°C/Humidity 95% or less (non-condensing)

## Product Diagram



## Order Information

### Package Content

**WAP-6011:** 300Mbps *N\_Max* Wireless Access Point

WAP-6011

LAN Cable

Power Adapter

Quick Installation Guide

CD Manual