150Mbps *N* Wireless Access Point

WAP-6002

H/W Version: 1

Ultimate Wireless Performance

With speeds up to 150Mbps, LevelOne N 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-6002 handles simultaneous wireless traffic easily and efficiently.

Multiple Operation Modes

WAP-6002 is a feature-rich 11n access point that supports AP, AP client, WDS, and Repeater modes for customized wireless deployments. In WDS mode, WAP-6002 acts as a wireless bridge to connect to

separate wireless networks into one. This provides more users with greater access to network resources. In Repeater mode, WAP-6002 allows extended coverage and greater signal strength for greatly improved distance coverage of the Wireless network (WLAN).

Robust Wireless Security Push-Button

WAP-6002 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

1. LED Indicators
2. WPS Button
3. Reset Button
4. Power Port
5. RJ-45 LAN Port

1 2   1   3   4   5

Key Features

- Conforms to IEEE 802.11b/g standards, and compliant to 802.11n specification
- Wireless security supports WPA/WPA2-PSK & 64/128-bit WEP Encryption
- Supports Wi-Fi Alliance's WiFi Protected Setup (WPS, a.k.a. Simple Configure)
- 802.11e / WMM Quality of Service
- Support Multi-SSID (Up to 8 SSIDs)
- Supports 32 wireless users
- Web-based password-protected advanced user interface
- WDS support

Works Well With

WBR-6601
150Mbps *N* Wireless ADSL2+ Modem Router

WUA-0605
300Mbps *N_Max* Wireless Adapter

Technical Specification

LAN specification

Support standard:

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

InterfaceConnectorRJ45: Number of ports1

Standard100BASE-TX/10BASE-T Auto

Full Duplex/Half Duplex Auto

MDI/MDI-X change Auto MDI/MDI-X

Extended slot None

Recommended:

100BASE-TXCategory 5 or more

cable10BASE-TCategory 3x or more

Wireless LAN specification

Support standard IEEE 802.11b/g and IEEE802.11n

Transfer rateIEEE802.11b11M/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

IEEE802.11bDBPSK, DQPSK, CCK

IEEE802.11gBPSK, QPSK,16-QAM, 64-QAM, OFDM

IEEE802.11nBPSK, QPSK,16-QAM, 64-QAM, OFDM

CSMA/CA

Access method

WEP (64/128)

Security

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 with Radius

Infrastructure

Correspondence mode

Antenna power

1.8dBi

Antenna type

External detachable x 1

PA RF power:

17dBm

Transmission range

Receiver Sensitivity(Typical)

802.11g:10 % PER, 71 dBm @ 54 Mbps

802.11b: 8 % PER, 88 dBm @ 11 Mbps

Transmitter Output Power(Typical)

802.11g: 13~14 dBm

802.11b: 17~18 dBm

Operation Range

Indoor: approx.up to 50 meters

Outdoor: approx.up to 100 meters

Others

Reset button

Reset to Factory Push and hold on >5 seconds

Reboot Push and release

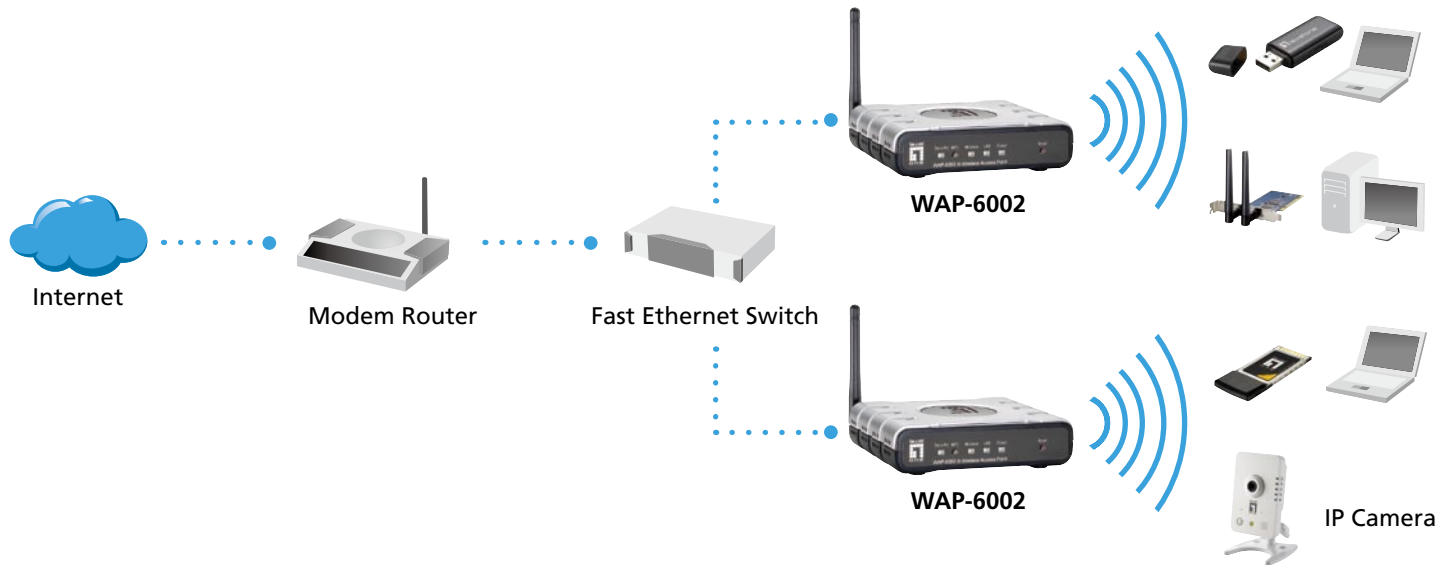**WPS**

Support Wi-Fi protected Security

Power unit

DC 12 V/1A

Environmental condition

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

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

Product Diagram

Internet

Modem Router

Fast Ethernet Switch

WAP-6002

WAP-6002

IP Camera

Order Information   **WAP-6002:** 150Mbps *N* Wireless Access Point

Package Content   WAP-6002
LAN Cable
Power Adapter
Quick Installation Guide
CD Manual