Datasheet_WAP-0004

11g 54 Mbps Pocket AP Router

LevelOne's WAP-0004 is compliant with IEEE802.11b/g standard and is a Wireless LAN AP Router providing versatile functions critical to a wireless network. With its pocketed-size design, the Wireless AP Router is easy to carry and can also connect with wireless networks everywhere.

Through the built-in 10/100 Mbps RJ-45 port, WAP-0004 supports AP, AP client and Router modes for different operational requirements. When switched to router mode, it can be directly connected to Cable/DSL modems and share the internet resources with network users through the wireless environment. When switched to AP Client mode, it can provide any Ethernet device such as desktops, router, game station, set-top box, printer and notebook with instant wireless networking capabilities, placing Ethernet devices anywhere and enabling interoperability among wireless network and Ethernet devices. To secure data transmision, wireless network protection can be ensured by 64/128-bit WEP encryption, WPA-PSK, SSID broadcast disable function and MAC address filtering to achieve maximum security of your network.

WAP-0004 supports UPnP standard and does not require software configuration when used in the access point mode. Users can immediately use any of the products simply by attaching the cables and turning on the power. The Web-based management interface will walk the user through the network setting very easily.

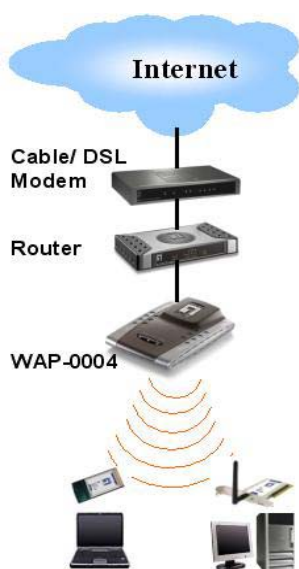**WAP-0004**

Key Features

- Complies with IEEE 802.11b/g standards
- Supports strongly wireless security including 64/128-bit WEP, WPA-PSK
- Manual switching among AP, AP Client and Router operation mode
- Converts any Ethernet device, such as desktop or laptop computer, game console, printer and set-top box into a wireless network device
- Supports Ad-hoc or Infrastructure mode
- Built-in NAT and DHCP server
- LEDs indicates connection status
- Web-based remote configuration
- Plug-and-Play, no driver needed
- The smallest AP/Router, easy to carry
- Powered by PC's USB when it works on AP Client mode
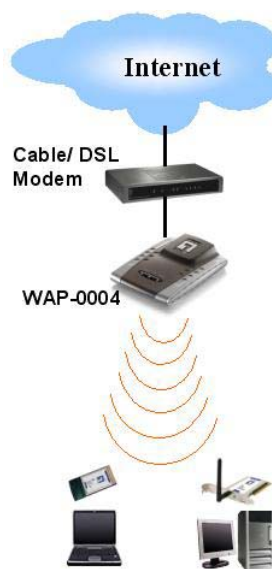
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Technical Specification

- **Standards**
  Wire: IEEE802.3, IEEE 802.3u
  Wireless: IEEE 802.11b; IEEE 802.11g

- **Frequency**
  2.4~2.479MHz

- **Data Modulation Type**
  BPSK, QPSK, CCK and OFDM

- **Emission Type**
  DSSS/ OFDM

- **Antenna**
  2 x 2.4GHz Chip Antenna

- **Transmit Power**
  16~18dBm (Typical)

- **Data Rate**
  54, 48, 36, 24, 18,12, 9, 6 Mbps
  11, 5.5, 2, 1 Mbps

- **Channel Number**
  1 ~ 11 Channels (North America)
  1 ~ 13 Channels (EU)
  1 ~ 14 Channels (Japan)

- **Security Support**
  64/128-bit WEP
  WPA-PSK
  SSID broadcast disable function
  MAC address filter

- **Operating Mode**
  AP, AP Client, Router

- **Port**
  1 x 10/100 Mbps port w/ auto MDIX

- **Management**
  Web-based Configuration

- **Ethernet Setting**
  Fixed IP/ DHCP Client
  Supports 10/100Mbps auto negotiation

- **Memory**
  Flash: 2MB
  SDRAM: 8MB

- **LEDs**
  Power: Steady green
  WAN: Green for Link; Blink for activity
  WLAN: Green for wireless connectivity/ activity

- **Power**
  DC 5V/ 1.2A; AC Adapter 100V ~ 240V

- **Temperature**
  Operating: 0℃~40℃
  Storage: -10℃~65℃

- **Humidity**
  Operating: 5% ~ 95%

- **Dimension**
  81.5mm(L) * 61mm(W) * 18.5mm(H)

- **EMI and Safety**
  FCC, CE

Product Diagram

WAP-0004 in AP mode

WAP-0004 in Router mode

WAP-0004 in AP Client mode

Ordering Information

- WAP-0004: 11g 54 Mbps Pocket AP Router