Datasheet_WAB-1000

11g Wireless Outdoor AP/ Bridge

LevelOne's WAB-1000 is a powerful Wireless Outdoor AP that complies with IEEE 802.11 b/g standards and delivers highest speed data up to 54Mbps. Meanwhile, two wireless modules allow the AP to be operated in the AP and Repeater/Bridging modes simultaneously. With weatherproof housing and built-in heater (for WAB-1000H), this device can handle indoor/outdoor applications even in the most rugged operation environments.

Wireless network data is protected with 64/128-bit WEP and AES/3DES encryption, and enhanced with Wi-Fi Protected Access (WPA) and 802.1x user authentication. WAB-1000 also detects rogue access points, further to protect your network from unauthorized access

In order to deploy the installation of the wireless outdoor AP anywhere, WAB-1000 offers a built-in POE function to eliminate power cable and adpater management. With its Web-based management interface, the user can easily configure and maintain the AP through a general browser. Additionally, by using LevelOne's various outdoor antennas, access coverage can be greatly extented.

WAB-1000

Key Features

- Compliant with IEEE 802.11b/g and 802.3 af standards
- Simultaneously operates in AP Mode, Repeater or Bridging Mode,
- Supports strongly wireless security including 64/128-bit WEP, AES/3DES Encryption, WPA, 802.1x
- Supports SNMP v.3 network management

- Supports POE function, eliminating power cable management and cost
- Weatherproof; Rugged for outdoors use
- 1 WAN port; 1 LAN port
- Detects rogue APs
- RF Management for variable power control
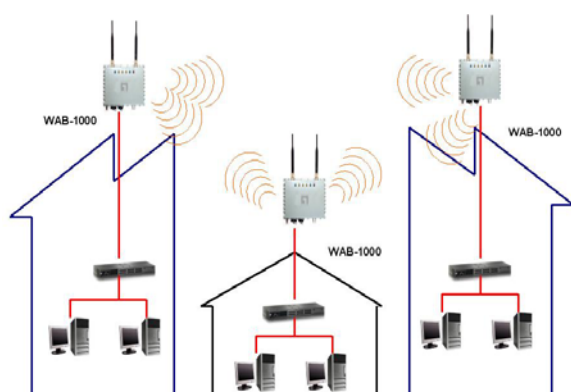- Works with a variety of antennas
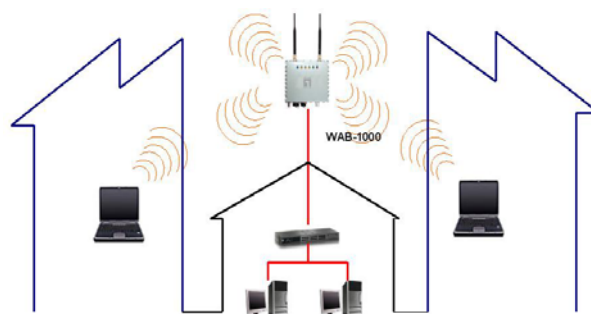
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Technical Specification

- **Wireless LAN Standards**
  IEEE 802.11b; IEEE 802.11g

- **Frequency**
  2.4~2.479MHz

- **Protocol**
  CSMA/CA with ACK

- **Antenna**
  2 x 5dBi, swivel and dipole Antenna for AP
  1 for Bridging

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

- **Channel Number**
  Fix channel
  Automatic channel selection

- **Security Support**
  64/128-bit WEP
  WPA
  IEEE 802.1x authentication
  AES/3DES for bridging/repeating
  Wireless AP activities monitoring

- **Operating Mode**
  AP, AP Client, Repeater, Bridging

- **Wired LAN standards**
  IEEE 802.3; IEEE 802.3u; IEEE 802.3af

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

- **Management**
  SNMP v1, v3 agent

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

- **LEDs**
  Power
  WAN
  WLAN/ WLAN1/ WLAN2

- **Temperature**
  Operating WAB-1000A: 0℃~70℃
  Operating WAB-1000H: -30°C~70°C
  Storage: -40℃~95℃

- **Humidity**
  Operating: 20% ~ 80%

- **Dimension**
  235mm(L) * 210mm(W) * 78mm(H)

- **EMI and Safety**
  FCC Class A, CE

Product Diagram

WAB-1000 Operated in Bridge Mode   **WAB-1000 Operated in AP Mode**

Ordering Information

- WAB-1000A: 11g Wireless Outdoor AP/ Bridge

- WAB-1000H: 11g Wireless Outdoor AP/ Bridge with Heater

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