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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 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 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
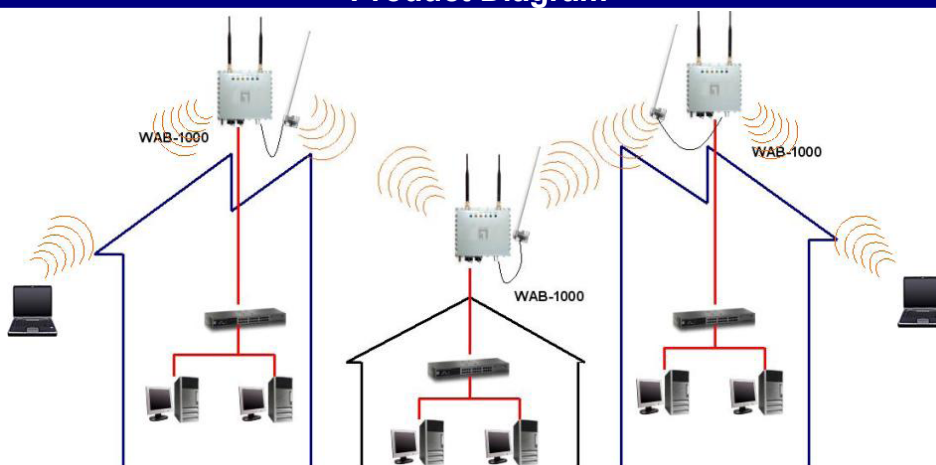- Works with a variety of antennas

Technical Specification

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

- **Frequency**
  2.4~2.479GHz

- **Protocol**
  CSMA/CA with ACK

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

- **Transmit Power (include default antenna)**
  20dBm (100mW typically)

- **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

- **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: 0℃~70℃
  Storage: -40℃~95℃

- **Humidity**
  Operating: 20% ~ 50%

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

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

Product Diagram

WAB-1000 Network Diagram

Ordering Information

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