

Datasheet_WNC-0300

108 Mbps Wireless PCI Card

LevelOne's WAP-0003 Wireless Access Point is designed to meet the needs of wireless clients who use 802.11b/g wireless networking devices. With its dual-standard capability, this equipment supports not only seamless but also simultaneous wireless data transmission between AP and all wireless clients using both standards. The WAP-0003 also features the newest Wireless Super G technology to deliver the data rates up to 108Mbps in a pure LevelOne Super G 108Mbps environment thus provides the best data throughput and blazing transfer speed.

Security is the most important issue for wireless connections. The WAP-0003 Access Point secures your data transmission and prevents hackers from accessing network resources by providing standard 64/128-bit WEP encryption, enhanced WPA (Wi-Fi Protected Access) and conforming to 802.1x standard to cooperate with a RADIUS server for wireless user authentication.

In order to offer the flexibility of a wireless network environment, this device can also be configured in the Access Point, AP Client and Bridge modes. With the embedded easy-to-setup utility, configuration and installation is not a problem for WAP-0003. The administrator can manually configure device setting through two interfaces, the Web-based management interface and the included Windows utility. You can install the Access Point into a PC and operate together with a wireless network in minutes. These interfaces allow users to configure all advanced settings of the WAP-0003, including making access restrictions, setting administration and user passwords, and creating status logs.



WAP-0003

Key Features

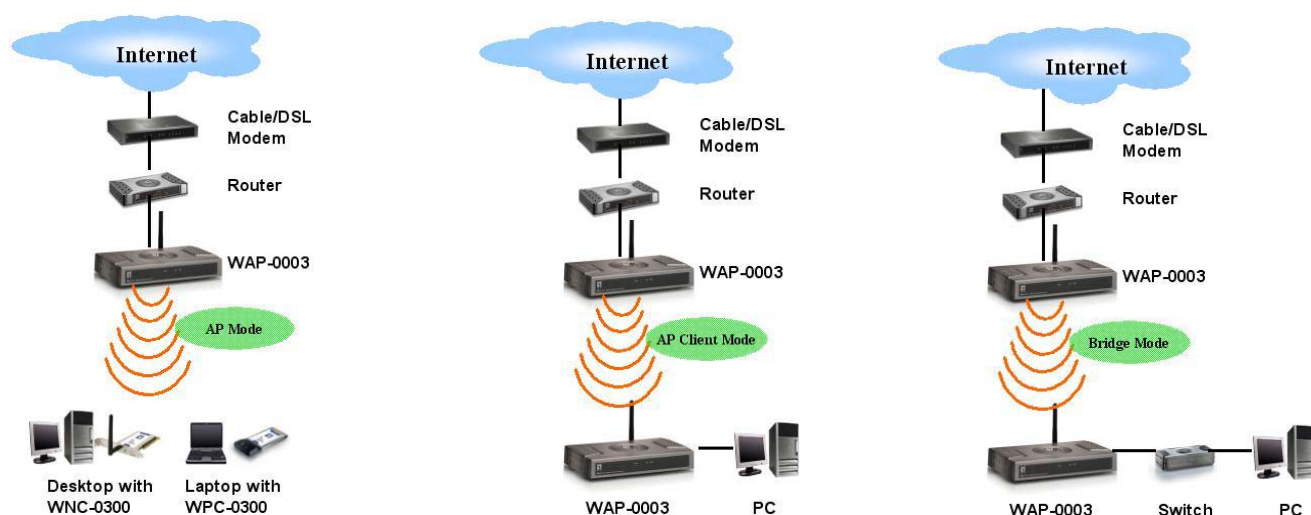
- Complies with IEEE 802.11g and 802.11b standards
- Highly efficient design mechanism to provide unbeatable performance
- Achieving data rate up to 108Mbps for Super G, 54Mbps for 802.11g and 11Mbps for 802.11b
- Network security with 64/128-bit WEP, WPA, WPA-PSK and 802.1x user authentication
- Selects automatically the least crowded channel by dynamic channel selection function.
- Supports SNMP v1 and v3
- Supports Access Point, AP Client, Bridge operating mode
- Supports operating systems including Windows 98SE/ME/ 2000/XP.
- Quick and easy set-up with Web-based management utility

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Technical Specification

- **Standard Conformance:**
Wireless: IEEE 802.11b; IEEE 802.11g
Wired: IEEE 802.3; IEEE 802.3u
- **Interface:**
1 x RJ-45 10/100 Mbps port with automatic MDI/MDIX
- **Media Access Control**
CSMA/CA with ACK
- **Sensitivity for 802.11b**
BPSK (1.2Mbps): 90 dBm
QPSK (5.5Mbps): 86 dBm
CCK (11Mbps): 82 dBm
- **Sensitivity for 802.11g**
54 Mbps: -72 dBm 18 Mbps: -82 dBm
48 Mbps: -72 dBm 12 Mbps: -86 dBm
36 Mbps: -76 dBm 9 Mbps: -89 dBm
24 Mbps: -79 dBm 6 Mbps: -90 dBm
- **Frequency Range**
2.412GHz to 2.484GHz
- **Modulation Technology**
64QAM, 16QAM, BPSK, QPSK, CCK
- **Transmitter Output Power:**
16 dBm ~ 18dBm
- **Antenna Type**
1x 2.4 GHz dipole and detachable Antenna
1x 2.4 GHz Embedded Antenna
- **Number of Channels**
USA and Canada: 11 Channels
European: 13 Channels
Japan: 14 Channels
- **Network Architecture**
Access Point/ AP Client/ Bridging Mode
- **Security**
WEP 64/128-bit encryption,
WPA/ WPA-PSK
802.1x user authentication in windows XP
Password protect
MAC filtering
SSID broadcast disable function
- **Configuration and Management**
Web-based Configuration Interface
TFTP for software upgrade available
Status Log
SNMP v1 & v3
- **OS Support**
Windows 98SE/ ME/ 2000/ XP
- **LEDs**
WLAN: Green is active
Ethernet: Green is active
System Power
- **Power**
DC 5V± 5%/2.4A; AC Adapter AC 100V ~ 240V
- **Power Consumption**
Operating: Max. 1.2A
Standby: 600mA ± 50mA
- **Temperature**
Operating: 0 ~55 C degree
Storing: -10 ~ 65 C degree
- **Humidity**
5% ~ 95% (Non-condensing)
- **Dimension**
113mm(W)*146mm(L)*41mm(H)
- **EMI and Safety**
FCC Part 15 Class B, CE

Product Diagram



- WAP-0003: 108 Mbps Wireless Access Point