



11Mbps Wireless LAN Access Point

The DWL-900AP is an IEEE 802.11b compliant 11 Megabits per second (Mbps) Ethernet wireless Access Point. Once activated with the network, it provides Direct Sequence Spread Spectrum (DSSS) operation for wireless networks delivering transparent bridging and roaming capabilities for wireless nodes.

The DWL-900AP provides an access point connections building Infrastructure for the network or to extend the reach of the network communications capability. It enables full mobility and seamless roaming from cell to cell. The range of coverage per cell for indoor use is up to 100 meters and up to 300 meter per cell for outdoor use.

The D-Link DWL-900AP may be used to serve different functions, including:

Bridge

The Wireless Access Point can be used to provide access to the shared network facilities of an Ethernet LAN.

Wireless LAN Extension

The effective communication range of wireless workstations can be increased.

Improve Signal Quality

Providing a central relay station to provide a communication path for WLAN user.

Wireless LAN Security

The Wireless Access Point can be configured to use encryption for improved security on a WLAN.

Key Features

- Data transfer rates of up to 11 Mbps
- An effective range of up to 300 meters (900 feet) outdoors or 100 meters (300 feet) indoors
- 10BaseT Ethernet port interface for bridging Wireless LAN to an Ethernet LAN
- Seamless roaming for notebook computers, wireless PCs, and other computers equipped with Wireless LAN-equipped
- Built-in diagnostics including a power-up self-check
- Dual antenna assembly with optional diversity
- Firmware can be upgraded easily in the field
- Data encryption (WEP 64 and WEP 128)
- SNMP support
- DHCP support (client)
- Optional Short RF preamble
- USB Configuration

Technical Specifications

Wireless LAN

Standards

- IEEE 802.11b (Wireless LAN)
- IEEE 802.3 (Ethernet)

Interface CNR 1.0 specifications

- 10Base-T Ethernet, RJ-45 connector
- Cable modem

Radio Frequency Range

- 2400 ~ 2497 MHz ISM band

Modulation

- Direct Sequence Spread Spectrum

Data Rate

- 1Mbps DBPSK, 2Mbps DQPSK, 5.5Mbps CCK, 11Mbps CCK

Number of Channels

- 11 channels for USA
- 13 channels for Europe
- 4 channels for France

Data Security

- 64-bit and 128-bit WEP

Transmit Power

- 12.5dBm typical

Receiver Sensitivity

- Typical -84dBm for 11Mbps @ 8 % PER (Packet Error Rate)

LED Indicators

- Power : power indicator
- Link : Ethernet link indicator
- WLAN: Wireless link indicator

Power Input

- DC 5V, 1A ~2A
- Use external AC power adapter

Environmental

Operating Temperature

- 0° - 55°C

Operating Humidity

- 10% - 90% (no condensing)

Storage Temperature

- 20° - 60°C

EMI Certification

- FCC part 15 Class B
- CE Class B

Safety Certifications

- UL
- TUV

Ordering Information

DWL-900AP

IEEE 802.11b Wireless LAN Access point

Please specify your model number as follows:

RDWL-900AP	with USA power adapter in USA packaging and North America frequency
DWL-900AP/CN	with China power adapter in worldwide packaging and China frequency
DWL-900AP/ANA	with USA power adapter in worldwide packaging and North America frequency
DWL-900AP/BEU	with U.K. power adapter in worldwide packaging and EU frequency
DWL-900AP/EEU	with Europe power adapter in worldwide packaging and EU frequency
DWL-900AP/EFR	with Europe power adapter in worldwide packaging and France frequency
DWL-900AP/NEU	with Australia power adapter in worldwide packaging and EU frequency
DWL-900AP/UNA	without power adapter in worldwide packaging and North America frequency
DWL-900AP/UEU	without power adapter in worldwide packaging and EU frequency

D-Link®



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