D-Link®
Building Networks for People

DWL-1000AP+

Now Includes
802.1X
Support

- **5 Different Operation Modes Including Repeating Mode**
- **Load Balancing Mode to Improve Wireless Bandwidth**
- **Backup Mode for Access Point Redundancy**
- **Up to 22Mbps[1] with *Air*Plus Products**

*Air*Premier®
Enterprise 2.4GHz Wireless
Access Point

11b ENHANCED 802.11b

WEB BASED CONFIGURATION

802.1x WITH 128-BIT WEP SECURITY

FREE 24/7 TECH SUPPORT (USA ONLY)†

D-Link, the industry pioneer in wireless networking, introduces another performance breakthrough in wireless connectivity – the D-Link AirPremier™ DWL-1000AP+ Access Point capable of maximum wireless signal rates of up to 22Mbps[1] with 802.1x support for improved wireless security.

The DWL-1000AP+ is an enterprise wireless access point featuring advanced silicon chip design from Texas Instruments, utilizing their patented Digital Signal Processing™ technology providing more secure wireless connectivity and expansion for emerging enterprises.

DSP™
TEXAS INSTRUMENTS
TECHNOLOGY

The DWL-1000AP+ can be configured to perform in any one of five modes: as wireless access point, as a point-to-point bridge with another DWL-1000AP+, as a point-to-multi-point wireless bridge, as a wireless client, or as a wireless repeater. In access point mode,

the DWL-1000AP+ offers a load-balancing feature that maximizes the wireless bandwidth available to wireless clients by sharing the load within a group of access points. Additionally, the DWL-1000AP+ provides a redundancy feature to allow it to be configured to backup a primary access point. These advanced features along with 802.1x support makes the DWL-1000AP+ an ideal solution for hotspot deployments, for creating and extending wireless local networks in offices or other workplaces where wireless security is required.

The DWL-1000AP+ is fully compatible with the IEEE 802.11b standard making it interoperable with all existing 802.11b compliant devices. When the wireless network is comprised of other D-Link products such as the AirPlus DWL-520+ Wireless PCI Adapter, DWL-650+ Wireless Cardbus Adapter, maximum wireless signal rates can be a high as 22Mbps[1]!

*Air*Premier®

Enterprise 2.4GHz Wireless
Access Point

DSP™
TEXAS INSTRUMENTS
TECHNOLOGY

DWL-1000AP+

SPECIFICATIONS

Standards
- IEEE 802.1x
- IEEE 802.11b
- IEEE 802.3
- IEEE 802.3u

Ports
(2) 10/100 Mbps Fast Ethernet

Signal Rates[1]
With Automatic Fallback
- Up to 22Mbps
- 11Mbps
- 5.5Mbps
- 2 Mbps
- 1 Mbps

Encryption
64/128/256-bit WEP

Media Access Control
CSMA/CA with ACK

Frequency Range
2.4GHz to 2.4835GHz

Operating Range[2]
Indoors:
Up to 328feet (100 meters)
Outdoors:
Up to 1,312 feet (400meters)

Modulation Techniques
- Barker (1Mbps/0db)
- Barker (2Mbps/3db)
- CCK (5.5Mbps/5.5db)
- PBCC (5.5Mbps/8.5db)
- CCK (11Mbps/8.5db)
- PBCC (11Mbps/4.5db)
- PBCC (22Mbps/8.5db)

Power Input
External Power Supply: DC
5V, 2.0A

LEDs
- Power
- Diagnostic
- WLAN (Wireless Local Area Network)
- (2) Local Network (Ethernet)

Output Power
17dBm (50mW) +- 2dB

External Antenna Type
2.0dB gain with reverse SMA connector

Device Management
- Web-Based – Internet Explorer or Netscape Navigator v6 or later
- Access Point Manager

Temperature
Operating:
32˚F to 131˚F (0˚C to 55˚C)
Storing:
-4˚F to 167˚F (-20˚C to 75˚C)

Humidity
95% maximum, non-condensing

Certifications
- FCC
- UL

Dimensions
- L=9.25 inches (233mm)
- W=6.5 inches (165mm)
- H=1.38 inch (35mm)

Weight
~2.0 lbs (907g)

Warranty
3 Year

[1] Maximum wireless signal rate derived from IEEE Standard 802.11b specifications. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead lower actual data throughput rate.
[2] Environmental conditions may adversely affect wireless signal range.

*Five Wireless Modes

Operation Mode (Only supports 1 mode at a time)	Function
Access Point (AP)	Create a Wireless LAN
AP - to - AP Bridging	Wirelessly Connect 2 Networks
Point - to - Multipoint Bridging	Wirelessly Connect Multi Networks
Wireless Client	Wirelessly Connect Ethernet Devices
Repeating Mode	Extend Range of Wireless Network

Technology

D-Link DWL-1000AP+

Standard 802.11b

1X   Up to 2X
Performance

www.Internet

Router

DES-3226
(802.1x)

DWL-1000AP+
(Redundant Backup
& Load Balancing)

Radius Server

IP Network

DWL-1000AP+
Enterprise 2.4GHz Wireless
Access Point
(802.1x)

Desktop
DWL-AB520   802.1x Clients   Laptop
DWL-AB650

ACN 652 202 838   CE FC (UL)

D-Link®
Building Networks for People