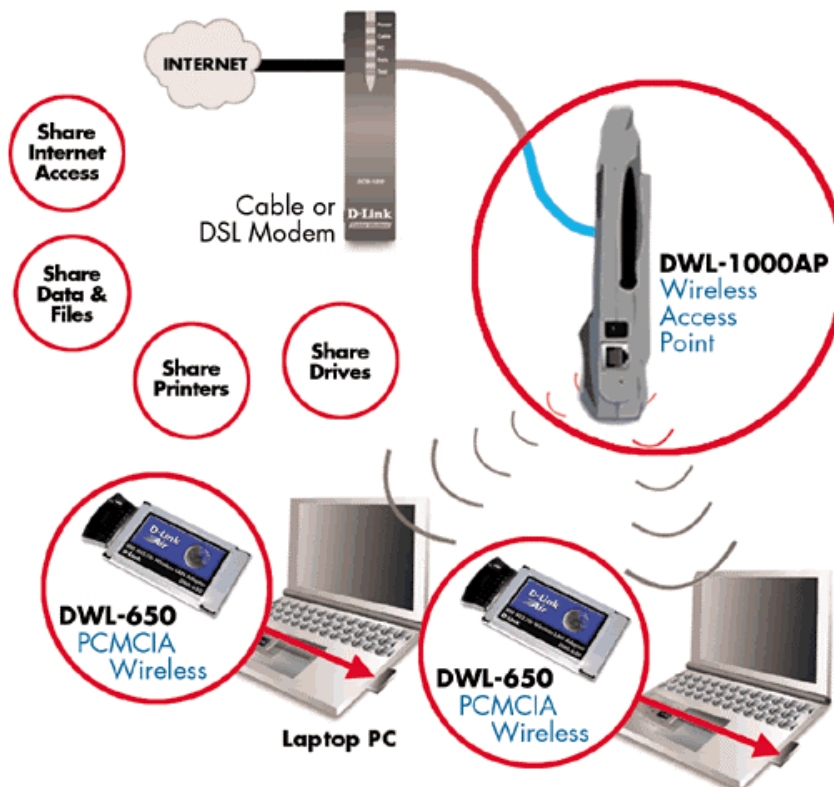




Wireless Kit For Portable Computers

DWL-905 Wireless Kit For Portable Computers

DWL-905 Wireless Network Diagram



Key Features

- Description: 2.4 GHz Direct Sequence Spread Spectrum (DSSS) Wireless PCMCIA NIC Card, Type II, plug and Play PC Card 2.0 Compliant.
- Antenna: Built-in Diversity antenna
- Range Coverage: 100feet @ 11 Mbps, 300feet @ 5.5 Mbps or lower
- Data Rate: 11, 5.5, 2 and 1 Mbps per channel
- Network Architecture Types: Supports ad-hoc, peer-to-peer and infrastructure communications to wired networks via Access Points.
- Operating Channels: 11 N. America, 13 Japan, 13 Europe (ETSI), 4 France
- LED Indicators: Power/Link
- Operating Frequency: 2.412-2.462 GHz(N. America)
2.412-2.4835 GHz(Japan TELEC)
2.412-2.472 GHz(Europe ETSI)
2.457-2.462 GHz(Spain)
2.457-2.472 GHz(France)

PCMCIA Wireless Network Starter Kit DWL-905

PCMCIA Wireless Network Starter Kit DWL-905

Technical Specifications

Product Name

11 Mbps Wireless LAN PC Card

Model Number

DWL-650

Host Interface

PCMCIA PC Card Type II

Dimensions

110 x 54 x 7 mm

Weight

38g

Frequency Band

2.400 ~ 2.4835GHz (subject to local regulations)

Number of Channel

- USA and Canada – 11
- Most European countries - 13
- France – 4
- Japan - 13

Operating Voltage

3.3V±5% or 5V±5%

Spreading

DSSS (Direct Sequence Spread Spectrum)

Data rate

11Mbps, 5.5Mbps, 2Mbps, 1Mbps

Transmit Power

Nominal Temp Range: 14 dBm max, 11dBm min.
Extended Temp Range: 13 dBm max, 10dBm min.
Transmit Power, 2.7v to 3v : 13 dBm max, 10dBm min.

Receiver Sensitivity

Nominal Temp Range:
- 1 Mbps 10-5 BER @ -89 dBm, minimum
- 5.5 Mbps 10-5 BER @ -83 dBm, minimum
- 11 Mbps 10-5 BER @ -80 dBm, minimum
Extended Temp Range:
- 1 Mbps 10-5 BER @ -87 dBm minimum
- 5.5 Mbps 10-5 BER @ -81 dBm minimum
- 11 Mbps 10-5 BER @ -78 dBm minimum

Modulation

11Mbps and 5.5Mbps CCK; 2Mbps: DQPSK; 1Mbps: DBPSK;

Security

40-bit WEP Encryption, optional 128-bit

Antenna

Internal patch antenna supporting diversity

LED Indicator

RF activity

Supplied Driver

Windows 95/98/2000, NT 4.0, WinCE

Standards

IEEE 802.11HR, WiFi compliant

Media Access Protocol

CSMA/CA with ACK

Temperature Range

0 ~ 50°C (Operating), -20~70°C (Storing)

Humidity

Max. 95% Non-condensing

Operating Range

Open Space: 100 – 300m; Indoor: 50m – 100m

Roaming

Full mobility and seamless roaming from cell to cell and across access points

Network Protocol

TCP/IP, IPX, NDIS3, NDIS4

Management Utility

Link Config for network join and diagnostics

EMC Certification

FCC part 15 class in US, CE EMC-EEC in Europe, ETSI 300.328

Product Name

11 Mbps Wireless LAN Access Point (PRISM-II)

Model Number

DWL-1000AP

Ethernet Interface

10Base-T (RJ45) connector

Dimensions

123 x 45 x 135 mm

Weight

138g

Frequency Band

2.400 ~ 2.4835GHz (subject to local regulations)

Number of Channel

- USA and Canada – 11
- Most European countries - 13
- France – 4
- Japan - 13

Power Adapter

Input: AC 100-240V, 1A Output: DC 5V, 1A

AP Input Power

DC 5V, 1A

Spreading

DSSS (Direct Sequence Spread Spectrum)

Data rate

11Mbps, 5.5Mbps, 2Mbps, 1Mbps

Modulation

11Mbps and 5.5Mbps CCK; 2Mbps: DQPSK; 1Mbps: DBPSK

Output Power

12dBm

Receiver Sensitivity

Nominal Temp Range:

- 1 Mbps 10-5 BER @ -89 dBm, minimum
- 5.5 Mbps 10-5 BER @ -83 dBm, minimum
- 11 Mbps 10-5 BER @ -80 dBm, minimum
Extended Temp Range:

- 1 Mbps 10-5 BER @ -87 dBm minimum
- 5.5 Mbps 10-5 BER @ -81 dBm minimum
- 11 Mbps 10-5 BER @ -78 dBm minimum

Security

40-bit WEP Encryption, optional 128-bit

Antenna

Dual antenna diversity system 2dB gain, with swivel neck

LED Indicator

Ethernet Activity, RF Activity, Power

Standards

IEEE 802.11b for wireless LAN, IEEE 802.3 for wired LAN

Media Access Protocol

CSMA/CA with ACK

Temperature Range

0 ~ 50°C (Operating), -20~70°C (Storing)

Humidity

Max. 95% Non-condensing

Operating Range

Open Space: 100 – 300m; Indoor: 50m – 100m

Network Protocol

TCP/IP, IPX, NDIS3, NDIS4

Management Utility

AP Manager to manage wireless LAN, network connection and client access control

EMC Certification

FCC part 15 class in US, CE EMC-EEC in Europe, ETSI 300.328

Ordering Information

DWL-905 (Wireless Kit For Portable Computers)

RDWL-905 (For N.America retailer packing)

DWL-905/ANA (For N. America power code and N.A. frequency channel type)

DWL-905/BEU (For UK power code and EU frequency channel type)

DWL-905/EEU (For EU power code and EU frequency channel type)

DWL-905/EFR (For EU power code and France frequency channel type)

DWL-905/NEU (For AU power code and EU frequency channel type)

DWL-905/JNA (For other areas power code and N.A. frequency channel type)

DWL-905/JEU (For other areas power code and EU frequency channel type)