

D-Link[®]
Building Networks for People

*Protect & Share
Your Internet Connection*

DI-624



- Now Up to 108Mbps¹ and Backwards Compatible to 11g & 11b
- Advanced Firewall & Parental Control
- Built-In 4-port Switch
- New Integrated Cable Diagnostic Utility
- Increased Security with 802.1X and WPA



AirPlus XtremeG[™] 802.11g/2.4GHz Wireless **108Mbps¹ Router**



D-Link, the industry pioneer in wireless networking, introduces another performance breakthrough in wireless connectivity—the *D-Link AirPlus XtremeG*[™] series of high-speed devices capable of transfer rates now up to 15x faster than standard 802.11b with D-Link 108G. And with the new *AirPlus XtremeG* DI-624 4-Port Wireless Router, D-Link once again sets a new standard for wireless broadband routers.

With the enhancement of D-Link 108G, the DI-624 can achieve wireless speeds up to 15x in a pure D-Link 108G environment through the use of new wireless techniques such as Packet Bursting, FastFrame, Compression & Encryption, and Turbo mode. This provides a bandwidth large enough to handle video/audio streaming and Video on Demand (VoD) applications.

The DI-624 features the very latest in advanced wireless silicon chip technology including enhanced security to shield and protect your wireless communication from intruders. It also includes D-Link's own robust firewall

security features. The DI-624 is ideal for those creating their first wireless network, as well as for more advanced users looking for additional management settings and policy-based content filtering. Filters can be set based on MAC address, IP address, URL and/or Domain Name. A simple yet intelligent, web-based setup wizard makes the DI-624 easy for any user to quickly and securely connect computers to share a high-speed Internet connection, files, resources, games or just to communicate. An integrated 4-port switch allows direct connection of up to four computers.

Several wireless clients can also securely connect to the network using WPA (Wi-Fi Protected Access), as well as 802.1X authentication providing you a much higher level of security and authentication than has previously been available. Additional security features include VPN pass-through of multiple concurrent IPSec and PPTP sessions for telecommuters or for anyone who needs to transmit sensitive information more securely.

¹ Maximum wireless signal rate derived from IEEE Standard 802.11g specifications. Actual data throughput will vary. Network conditions and environmental factors lower actual data throughput rate.

AirPlus Xtreme G™

802.11g/2.4GHz Wireless

108Mbps¹ Router



DI-624

SPECIFICATIONS

Standards

- IEEE 802.11g
- IEEE 802.11b
- IEEE 802.3
- IEEE 802.3u

VPN Pass Through / Multi-Sessions

- PPTP • L2TP • IPSec

Advanced Firewall Features (see table to right)

Device Management

- Web-Based – Internet Explorer v6 or later; Netscape Navigator v6 or later; or other Java-enabled browsers.
- DHCP Server and Client

Wireless Signal Rates¹ With Automatic Fallback

- D-Link 108G: 108Mbps

- 54Mbps
- 48Mbps
- 36Mbps
- 24Mbps
- 18Mbps
- 12Mbps
- 11Mbps
- 9Mbps
- 6Mbps
- 5.5Mbps
- 2Mbps
- 1Mbps

Security

- 64/128-bit WEP
- 802.1x
- WPA —Wi-Fi Protected Access (TKIP, MIC)
- WPA-PSK (Pre-Shared Key)

Media Access Control CSMA/CA with ACK

Wireless Frequency Range 2.4GHz to 2.462GHz

Wireless Operating Range²

- Indoors: Up to 328 ft (100 meters)
- Outdoors: Up to 1312 ft (400 meters)

Modulation Technology

- Orthogonal Frequency Division Multiplexing (OFDM)
- Complementary Code Keying (CCK)

Receiver Sensitivity

- 54Mbps OFDM, 10% PER, -68dBm
- 48Mbps OFDM, 10% PER, -68dBm
- 36Mbps OFDM, 10% PER, -75dBm
- 24Mbps OFDM, 10% PER, -79dBm
- 18Mbps OFDM, 10% PER, -82dBm
- 12Mbps OFDM, 10% PER, -84dBm
- 11Mbps CCK, 8% PER, -82dBm
- 9Mbps OFDM, 10% PER, -87dBm
- 6Mbps OFDM, 10% PER, -88dBm
- 5.5Mbps CCK, 8% PER, -85dBm
- 2Mbps QPSK, 8% PER, -86dBm
- 1Mbps BPSK, 8% PER, -89dBm

Wireless Transmit Power

15dBm ± 2dB

External Antenna Type

Single detachable reverse SMA

LEDs

- Power • WAN • LAN (10/100)
- WLAN (Wireless Connection)

Operating Temperature

32°F to 131°F (0°C to 55°C)

Humidity

95% maximum (non-condensing)

Power Input

Ext. Power Supply DC 5V, 2.4A

Safety & Emissions

- FCC

Dimensions

- L = 7.5 inches (190.5mm)
- W = 4.6 inches (116.84mm)
- H = 1.375 inches (35mm)

Weight

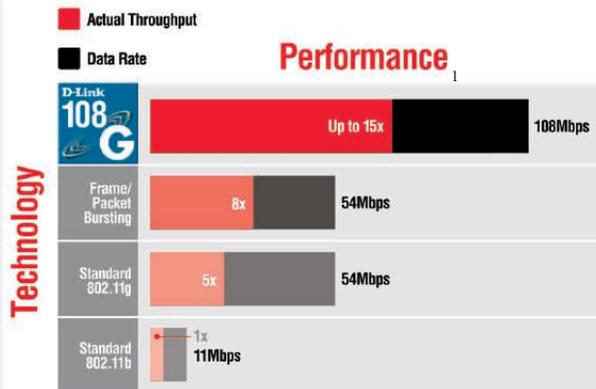
~10.3 Ounces

Warranty

3 Year

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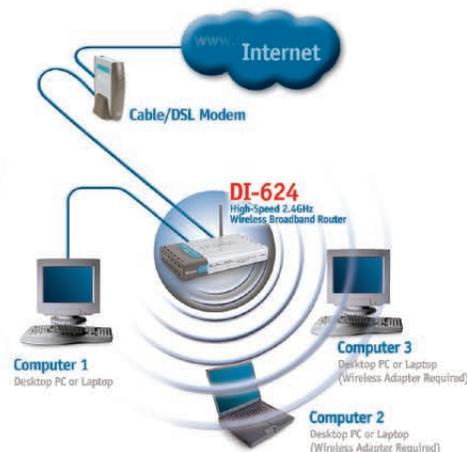
² Environmental conditions may adversely affect wireless signal range.



D-Link performance results are based on testing with other D-Link 108G enabled devices utilizing Packet Bursting, FastFrames, Turbo Mode and Compression techniques. Data already compressed may not benefit from the D-Link 108G compression technique.

Advanced Firewall Features

Feature	Available
NAT with VPN Passthrough (Network Address Translation)	✓
MAC Filtering	✓
IP Filtering	✓
URL Filtering	✓
Domain Blocking	✓
Scheduling	✓



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