D-Link®
Building Networks for People

DI-624

Up to 15x Faster

- **Wirelessly Share Your Internet Connection**

- **D-Link's eXtended Range (XR) Technology for Better Wireless Signal Coverage[2]**

- **Built-in Cable Tester for Troubleshooting**

- **Advanced Security and Parental Control Features Keep Your Network Safe**

G
802.11g
108Mbps

AirPlusXtremeG®
802.11g/2.4GHz Wireless
108Mbps[1] Router

CABLE TESTER

Total 802.11 Super G ATHEROS™

FREE 24/7 TECH SUPPORT (USA ONLY)†

D-Link, an industry leader in networking, introduces another performance breakthrough in wireless connectivity – the *Air*Plus Xtreme G® series of wireless networking devices. Based on D-Link 108G Technology, these 802.11g compatible devices are capable of delivering maximum wireless signal rates of up to 108Mbps[1] when used together.

The award-winning DI-624 Wireless Router creates an 802.11g wireless network and wirelessly share a single broadband Internet connection throughout your home or office. Furthermore, the DI-624 has the superior performance capability to transfer large files and handle heavy network traffic.

The Wi-Fi certified DI-624 features extremely high performance as well as industry-wide compatibility. With this certification, this router remains compatible with a wider range of networking devices. The built in 4-port switch allows you to connect up to four Ethernet-enabled devices such as additional computers or network storage devices.

The DI-624 also features D-Link's Extended Range (XR) Technology designed to provide increased wireless signal range as well as fewer dead spots[2]. When used with XR-enabled client devices, enjoy wireless coverage in areas where you were previously unable to get reception.

The DI-624 also provides Network Address Translation (NAT) firewall functionality to help secure and protect your network from hackers and malicious attacks. Additional security features include WPA and support for 802.1x. Advanced Parental Controls give you the authority to prevent your children or those on your network from viewing inappropriate content.

Setting up your DI-624 is a straightforward process using the Setup Wizard and user-friendly Web-based management utility. As an added bonus, the built-in Cable Tester utility can detect and troubleshoot physical Ethernet cable problems if they arise. Packed with features and delivering exceptional performance, experience the best of wireless with the DI-624 at the center of your network.

AirPlusXtremeG®
802.11g/2.4GHz Wireless
108Mbps[1] 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 Rates[1]
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
- 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 Range[3]
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)
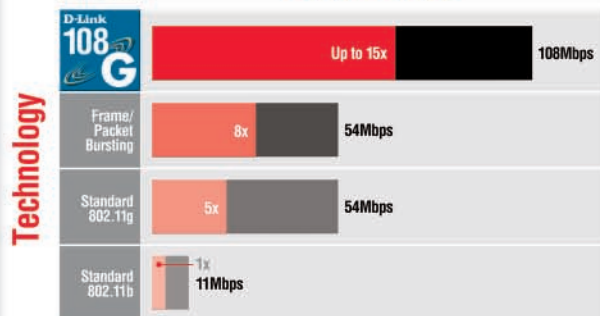- W = 4.6 inches (116.84mm)
- H = 1.375inches (35mm)

Weight
~10.3 Ounces

Warranty
3 Year

Performance[1]

Technology		
108G	Up to 15x	108Mbps
Frame/Packet Bursting	8x	54Mbps
Standard 802.11g	5x	54Mbps
Standard 802.11b	1x	11Mbps

Legend: Actual Throughput / Data Rate

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	✓

[1] Maximum wireless signal rate derived from IEEE Standard 802.11g 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] All devices in the wirelss network must be enabled with D-Link Extended Range Technology
[3] Environmental conditions may adversely affect wireless signal range.

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