



— DSL-G604T

Wireless ADSL2/2+ Modem/Router

With Built-in 802.11g Wireless LAN & 4-Port Switch

The DSL-G604T is an ADSL Router designed for home and office use. This router lets you quickly and easily connect to high-speed broadband Internet and share your ADSL line. With a built-in ADSL interface supporting download speeds of up to 24Mbps, 802.11g wireless LAN, 4 10/100BASE-TX Ethernet switch ports and advanced router functions, this device gives your home and business a convenient and cost-effective way to install a secure, fast network with bottleneck-free link to the outside world.

High-Speed Broadband Internet Connection

With this router, you can easily connect to your ADSL broadband line for Internet access in your office or at home. This device automatically creates an IP number and assigns for each user, simplifying everyone's logon operation.

Built-in ADSL Interface and Ethernet Switch Ports

A high-speed ADSL modem is built into this router, making connection to the Internet a breeze. The router also incorporates four 10/100Mbps Ethernet switch ports, providing ready connection for workstations and servers, while saving you the cost and trouble of installing a separate Ethernet switch.

Built-in 802.11g Wireless LAN

This router provides an integrated 802.11g wireless LAN supporting speeds of up to 54Mbps for bandwidth intensive applications. The built-in wireless LAN is compatible with the earlier 802.11b wireless standard, providing interoperability with all wireless devices operating on the 2.4GHz frequency band.

Network Security

The router provides NAT protection for your office and home users from any Internet intruders and hackers, plus VPN pass-through for extra security. It also blocks and redirects certain ports to limit the services that outside users can access your network. Virtual server mapping is used to re-task services to multiple servers. This router can be set to allow separate FTP, Web, and Multiplayer game servers to share the same Internet-visible IP address while still protecting your servers and workstations from hackers.

DMZ Host to Open Public Domain

The router supports constricted DMZ to redirect unknown packets to a dedicated server/PC behind the router, enabling a client (such as a Web server) to fully expose it to the Internet and ensure complete Internet application compatibility. This allows you to set up web sites and e-commerce business from your office while maintaining protection for the rest of your office LAN.

Standards & Features

- High-speed Internet access
- Built-in ADSL interface with widest range of DSLAM interoperability
- ADSL: G.992.1 G.dmt, G.992.2 G.lite, ANSI T1.413 issue 2 (full rate DMT over analog POTS) Annex A
- ADSL2: G.992.3 (G.dmt.bis) Annex A
- ADSL2+: G.992.5 Annex A
- G.994.1 G.hs auto-negotiation of different ADSL flavors
- Built-in 4 10/100BASE-TX Fast Ethernet switch ports
- Built-in high-speed 802.11g wireless LAN
- Virtual Private Network (VPN) pass-through support
- DMZ and Virtual Server Mapping support
- Firewall with Stateful Packet Inspection (SPI) function
- Web-based configuration

DSL-G604T

Technical Specifications

Wireless ADSL2/2+ Modem/Router

Router

Interface

- 1 RJ-11 ADSL port
- 4 RJ-45 10/100BASE-TX Fast Ethernet LAN switch ports with auto MDI/MDIX
- 802.11g wireless LAN (backward 802.11b compatible)

Routed Packet Type

IP packets

Routing Protocols & Methods

- RIP v1/v2 and static routing
- Dynamic routing

DHCP Support

- DHCP server (for automatic IP assignment)
- DHCP Client

Security

- VPN support: PPTP/L2TP/IPSec pass-through
- Network Address/Port translation (NAPT)
- Authentication: PAP and CHAP
- DoS (UDP/TCP), detection of known attacks
- SPI firewall protection
- Web login password authentication

Configuration & Network Management

- HTTP server for web-based management
- Remote management through telnet or HTTP
- System logs
- Support UPnP 1.0
- Configuration backup and restore
- Factory reset

Statistics Monitoring

Ethernet, ATM and ADSL statistics

Diagnostic LEDs

- Power
- Status (system)
- ADSL Link/Act
- Ethernet Link/Act
- WLAN

Built-in ADSL Modem

Standards

- ADSL standards: ANSI T1.413 Issue 2, ITU G.992.1 (G.dmt) Annex A, ITU G.992.2 (G.lite) Annex A
- ADSL2 standards: ITU G.992.3 (G.dmt.bis) Annex A, ITU G.992.4 (G.lite.bis) Annex A
- ADSL2+ standards: ITU G.992.5 Annex A
- Auto-handshake: ITU G.994.1 (G.hs)

Data Rates

- G.dmt: upto 8Mbps downstream, upto 832Kbps upstream
- G.lite: upto 1.5Mbps downstream, upto 512Kbps upstream
- ADSL2: upto 12Mbps downstream, upto 1Mbps upstream
- ADSL2+: upto 24Mbps downstream, upto 1Mbps upstream

ATM/ADSL

- ATM signaling: UNI3.0, 3.1 and 4.0
- ATM traffic shaping: UBR, CBR, VBR

Bridged/PPP Support

- Bridged Ethernet over ATM
- Classical IP over ATM
- PPP over ATM
- PPP over Ethernet

Built-in Wireless LAN

Wireless LAN Standards

- 802.11b

Data Rates

- 802.11g: up to 54Mbps (6/9/12/18/24/36/48/54Mbps)
- 802.11b: up to 11Mbps (1/2/5.5/11Mbps)
- Auto-switch to select 802.11g or 802.11b mode
- Data rate auto fall-back under noisy environment or longer range distance

Transmission Technology

DSSS

RF Frequency Range

2.4 to 2.4835GHz

Operating Channels

- 1 to 11 channels (North America)
- 1 to 13 channels (General Europe)

Data Modulation Type

- 802.11g: BPSK, QPSK, 16-QAM, 64-QAM, OFDM
- 802.11b: DBPSK, DQPSK, DSSS, CCK, PBCC

Antennas

1 detachable external dipole antenna, 2dBi Gain (reverse SMA connector)

Transmit Output Power

- 802.11g: 13dBm (typical)

Receive Sensitivity (for 802.11b)

- (typically @ 8% PER)
- 11Mbps: -84dBm
- 2Mbps: -90 dBm

Receive Sensitivity (for 802.11g)

- (typically @ 8% PER)
- 54Mbps: -66 dBm
- 48Mbps: -70 dBm
- 36Mbps: -76 dBm
- 24Mbps: -79 dBm
- 18Mbps: -83 dBm
- 12Mbps: -85 dBm
- 9Mbps: -86 dBm
- 6Mbps: -86 dBm

Operating Range *

- Indoors: 100 meters
- Outdoors: 300 meters

* Environmental factors may adversely affect range

Wireless LAN Security

- WEP 64/128/256-bit data encryption (user-selectable)
- Wi-Fi™ WPA

Physical & Environmental

Power Input

Through 12VAC 1.2A external power adapter

Dimensions

180 x 141 x 30 mm (device only)

Weight

380 grams (device only)

Operating Temperature

0° to 40 °C

Storage Temperature

-20° to 70 °C

Operating Humidity

5% to 95% non-condensing

Emission (EMC/EMI)

- FCC Part 15 Class B
- CE Class B (EN55022)

Safety

CSA International (CSA950, EN60950, IEC60950, UL1950)



Ordering Information

ADSL Router

DSL-G604T

- 1 RJ-11 ADSL port
- 4 RJ-45 10/100BASE-TX LAN switch ports
- 802.11g wireless LAN

To select the router with built-in ADSL modem that works best with your service provider, please consult your nearest D-Link representative or distributor/reseller.

D-Link®

D-Link Australia Pty. Ltd.

1 Giffnock Avenue North Ryde NSW 2113

Australia Sales Phone: 1300-700-100

Australia Support Phone: 1300-766-868

www.dlink.com.au

New Zealand Sales Phone: 09-356-2158

New Zealand Support Phone: 0800-900-900

www.dlink.co.nz

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