D-Link®

DSL-G604T (v.A1)

Wireless ADSL Router

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

The DSL-G604T is an ADSL Router designed for 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, 802.11g high-speed wireless LAN, 4 10/100BASE-TX Ethernet switch ports and advanced router functions, this device gives your business a convenient and cost-effective way to install a secure, fast network with bottleneck-free link to the outside world.

Simplified 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 standard-based ADSL modem in 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 High-Speed Wireless LAN
The router also provides the latest standard 802.11g high-speed wireless LAN for ready connection to wireless users. With speeds up to 54Mbps and real throughput up to 8 times faster than that of 802.11b, the new wireless LAN provides the performance necessary for bandwidth intensive applications. In addition, it is also compatible with existing 802.11b and 802.11b+, providing you with the ability to communicate with all wireless devices within 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 severs 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 (ANSI T1.413 issue 2, G.dmt Annex A, G.lite Annex A) compliant
- 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
- Web-based configuration

DSL-G604T (v.A1)
Technical Specifications

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
- DHCP Relay

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

Configuration & Network Management
- HTTP server for web-based management
- TFTP for firmware upgrade
- 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

WAN ADSL Line Interface
- Compliant with G.dmt (ITU G.992.1) Annex A over PSTN line
- Compliant with G.lite (ITU G.992.2) Annex A over PSTN line
- Compliant with ANSI T1.413 issue 2

Data Rate (ADSL Standards)
- T1.413/G.dmt, downstream: up to 8Mbps, upstream: up to 1Mbps
- G.lite, downstream: up to 1.5Mbps, upstream: up to 512 Kbps

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, 802.11b+
- 802.11g

Data Rates
- 802.11g: up to 54Mbps (6/9/12/18/24/36/48/54Mbps)
- 802.11b+: up to 22Mbps
- 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, 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)
- 802.11b: 16dBm (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
0º to 40 ºC

Storage Temperature
-20º to 70 ºC

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)

CSA 950
UL 1950
IEC 60950
EN60950

Ordering Information

ADSL Router	
DSL-G604T (v.A1)	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®

U.S.A	TEL: 1-714-885-6000	FAX: 1-866-743-4905
Canada	TEL: 1-905-8295033	FAX: 1-905-8295223
Europe	TEL: 44-20-8731-5555	FAX: 44-20-8731-5511
Germany	TEL: 49-6196-77990	FAX: 49-6196-7799300
France	TEL: 33-1-30238688	FAX: 33-1-30238689
Benelux	TEL: 31-10-282-1445	FAX: 31-10-282-1331
Italy	TEL: 39-2-2900-0676	FAX: 39-2-2900-1723
Iberia	TEL: 34-93-4090770	FAX: 34-93-4910795
Sweden	TEL: 46-(0)8564-61900	FAX: 46-(0)8564-61901
Norway	TEL: 47-22-309075	FAX: 47-22-309085
Denmark	TEL: 45-43-969040	FAX: 45-43-424347
Finland	TEL: 358-9-2707-5080	FAX: 358-9-2707-5081
Singapore	TEL: 65-6774-6233	FAX: 65-6774-6322
Australia	TEL: 61-2-8899-1800	FAX: 61-2-8899-1868
Japan	TEL: 81-3-5434-9678	FAX: 81-3-5434-9868
China	TEL: 86-10-8518-2533	FAX: 86-10-8518-2250
India	TEL: 91-022-652-6696	FAX: 91-022-652-8914
Middle East (Dubai)	TEL: 9714-8834234	FAX: 9714-8834394
Turkey	TEL: 90-212-335-2553	FAX: 90-212-335-2500
Egypt	TEL: 202-414-4295	FAX: 202-415-6704
Israel	TEL: 972-9-9715700	FAX: 972-9-9715601
Latinamerica	TEL: 56-2-232-3185	FAX: 56-2-232-0923
Brasil	TEL: 55-11-55039320	FAX: 55-11-55039321
South Africa	TEL: 27(0)1266-52165	FAX: 27(0)1266-52186
Russia	TEL: 7-095-744-0099	FAX: 7-095-744-0099#350
Taiwan	TEL: 886-2-2910-2626	FAX: 886-2-2910-1515
D-Link Corp.	TEL: 886-2-2916-1600	FAX: 886-2-2914-6299

RECYCLABLE
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