D-Link®

DSL-604+

DSL-604+ ADSL Router featuring a built-in ADSL interface, wireless LAN connectivity, 4 10/100Mbps Fast Ethernet switch ports, IP routing, transparent bridge, and NAT/DHCP Internet Gateway functions.

ADSL Router With Wireless & 4-Port Switch

The DSL-604+ ADSL Router is a versatile all-in-one networking device that provides high-speed broadband Internet connect, wireless user access and public sites like hotels, airport lounges and convention centers, this device incorporates a built-in broadband ADSL interface, cost-saving Internet functions, wireless LAN access, Fast Ethernet switch ports, and security functions for fast and secured Internet connection.

ADSL Broadband WAN Connection

The Router connects users to the Internet via a broadband ADSL line. An interface supporting G.dmt, G.lite , T1.43 and auto-handshake for different ADSL Flavors is built into the Router. This allows you to flexibly hook up full rate DSL service (8Mbps), or ,make use of the economic G.lite rate. Both "always-on " and dial-up connection to ISP are support.

Cost-saving Internet Functions

Cost-saving Internet functions like NAT and DHCP server are built into the Router, permitting your entire office to share one single broadband line and one single ISP account. The Router automatically assigns IP address for all office users, while masking their addresses on the Internet. This kind of firewall makes it more difficult for a hacker to target a computer on your network.

Wireless LAN Access

With a built-in IEEE 802.11b+ wireless LAN interface, the Router connects all wireless users together while providing them with the broadband WAN and Internet access. Wireless LAN speeds are up to 22Mbps, with compatibility with 11Mbps 802.11b and earlier 2Mbps IEEE 802.11 wireless networks. Seamless roaming from cell to cell and across Access Points, as well as WEP security are supported.

4 Built-in Fast Ethernet Switch Ports

This Router comes with four built-in 10/100Mbps switch ports, providing instant connection to Fast Ethernet servers and workstations. All switch ports support auto-sensing of network speeds and full/half duplex. For server connection, flow control is also supported, allowing 200Mbps full duplex data transfer on the wired network with minimum data loss.

Key Features

- *Internet gateway for broadband Internet sharing*
- *Internet protection with VPN pass-through, NAT, DHCP server/client, DNS relay*
- *Support 8Mbps high-speed ADSL upstream transmission*
- *Auto-handshake for different ADSL flavors*
- *ADSL supports bridged Ethernet over ATM, PPP over*
- *Built-in 802.11b+ enhanced 22Mbps wireless LAN*
- *64/128/256-bit WEP data encryption for wireless LAN users*

- *Wireless LAN user access control*
- *Built-in 4 10/100Mbps switch ports with full/half duplex & 802.3x flow control*
- *PAP/CHAP authentication, administrative passwords through Telnet*
- *Built-in MIBs for SNMP management*
- *Web-based configuration setup*
- *Configuration backup restore*
- *TFTP and HTTP firmware upgradeable*
- *Support UPnP*

DSL-604+
Technical Specifications

WAN
Standards
- ANSI T1.413 issue 2 (full rate DMT over analog POTS)
- ITU G.992.1 (G.dmt) Annex A or B
- ITU G.992.2 (G.lite) Annex A or B
- ITU G.994.1 (G.hs)

DataRates
- DMT full rate downstream: up to 8Mbps
- DMT full rate upstream: up to 1Mbps
- G.lite ADSL downstream: up to 1.5Mbps
- G.lite ADSL upstream: up to 512Kbps

ADSL Interface
- RJ-11 connector for phone line connection
- ADSL micro filter required

Security
- PAP, CHAP
- Simple firewall
- Administrative passwords through Telnet and SNMP

Protocols
- Bridged Ethernet over ATM (RFC 1483)
- Classical IP over ATM (RFC 1577)
- PPP over ATM protocol (RFC 2364)
- PPP over Ethernet (RFC 2516)

Signaling
- ATM signaling: UNI 3.0, 3.1, 4.0
- Precise ATM traffic shaping
- OAM F4/F5

Routing
IP Packet Routing
- DHCP/NAT
- IP filtering
- TCP/IP with RIP-1 and RIP-2, Static Routing
- ICMP (RFC 791)
- UDP (RFC 792)
- ARP (RFC 826)

Routing Protocol Supports
- RIP-1, RIP-2
- Static Routing

Internet Support
- Dynamic Host Configuration Protocol (DHCP) server, client
- Network Address Translation (NAT)

Built-in Wireless LAN
Standards
- 802.11b+ wireless LAN
- DSSS (Direct Sequence Spread Spectrum)

Frequency Band
2.400 - 2.4835 GHz (subject to local regulations)

Operating Frequency
- North America: 2.412 - 2.462 GHz
- Europe ETSI: 2.412 - 2.472 GHz
- France: 2.457 - 2.472 GHz
- Japan TELEC: 2.412 - 2.4835 GHz

Number of Channels
- USA and Canada: 11
- Europe: 13
- France: 4
- Japan: 14

DataTransfeRates
22Mbps, 11Mbps, 5.5Mbps, 2Mbps, 1Mbps auto fall back

Data Rate & Modulation
- 22Mbps: PBCC
- 11Mbps: PBCC or CCK
- 5.5Mbps: PBCC or CCK
- 2Mbps: DQPSK
- 1Mbps: DBPSK

Security
- 64/128/256-bit WEP encryption
- MAC address-based user access control

Operating Range
- Open space: coverage up to 300 meters
- Indoor: coverage up to 100 meters

Receive Sensitivity Nominal Temperature Range
- Typical -84dBm for 11Mbps @ 8% PER (Packet Error Rate)
- Typical -90dBm for 2Mbps @ 8% PER (Packet Error Rate)

Transmitter Output Power
14dBm (typical)

Antenna
Dual external antennas (MMCX connectors)

Built-in Ethernet Switch
Standards
- IEEE 802.3 10BASE-T Ethernet
- IEEE 802.3u 100BASE-TX Fast Ethernet
- IEEE 802.3 NWay auto-negotiation

Flow Control
- IEEE 802.3x Flow Control (full duplex)
- Back Pressure (half duplex)

LAN Interface
- 4 10/100Mbps 10BASE-T/100BASE-TX switch ports
- Network speeds auto-sensing, full/half duplex support

Others
- Transparent bridging
- Dynamic auto-learning of MAC addresses
- IEEE 802.1d Spanning Tree supported

Management
Standard/MIB
- SNMP standard
- MIB-II (RFC 1213) for IP
- Web-based management

Administration
- Telnet support
- SNMP support

User Authentication
- PPP Authentication Protocol (RFC 1334)
- Challenge Handshake Authentication Protocol with PPP (RFC 1994)

Statistic Monitoring
Ethernet, ATM and ADSL statistics

Firmware
TFTP and HTTP supported

Console Port
RJ-12

Physical & Environmental
LED Indicators
- Power (per device)
- Status (per device)
- ADSL: Link, Act
- WLAN: Act
- Local Network: Link, Act (per port)
- Local Network: 10Mbps, 100Mbps (per port)

Power Input
Through external AC power adapter

Power Consumption
12 watts (max.)

Operating Temperature
0° ~ 40°C (32° ~ 104°F)

DSL-604+
Technical Specifications

Storage Temperature
-20° ~ 70°C (-4° ~ 158°F)

Humidity
5% ~ 95% non-condensing

Dimensions
234 x 162 x 35 mm

Weight
510 grams

Emissions(EMI)
- FCC Class B
- CE Class B

Sa fety
- UL
- TUV (En60950)

Ordering Information

Wireless ADSL Router With Built-in 4-Port Switch

DSL-604G+   Built-in ADSL modem (Annex A or B)
802.11b + Wireless LAN, 4 10/100Mbps
Switch ports

Please specify one of the following after the model number:
/US   For use in USA and Canada
/EU   For use in Common European countries
/DE   For use in Germany
/TA   For use in Sweden, Denmark
/AU   For use in Australia
/CN   For use in China

D-Link®

U.S.A.	TEL: 1-949-788-0805	FAX: 1-949-753-7033
Canada	TEL: 1-905-829-5033	FAX: 1-905-829-5095
Europe	TEL: 44-20-8731-5555	FAX: 44-20-8235-5511
U.K.	TEL: 44-20-8731-5555	FAX: 44-20-8235-5511
Germany	TEL: 49-61- 96779900	FAX: 49-61-967799300
France	TEL: 33-1-30.23.86.88	FAX: 33-1-30.23.86.89
Italy	TEL: 39-02-2900-0676	FAX: 39-02-2900-1723
Iberia	TEL: 34-93-4965751	FAX: 34-93-4965701
Sweden	TEL: 46-(0)8-564-61900	FAX: 46-(0)8-564-61901
Norway	TEL: 47-22-991890	FAX: 47-22-207039
Denmark	TEL: 45-43-96.90.40	FAX: 45-43-42.43.47
Finland	TEL: 358-9-622-91660	FAX: 358-9-622-91661
Singapore	TEL: 65-774-6233	FAX: 65-774-6322
Australia	TEL: 61-2-9417-7100	FAX: 61-2-9417-1077
Japan	TEL: 81-3-5434-9678	FAX: 81-3-5434-9868
China	TEL: 86-10-88097777	FAX: 86-10-88096789
India	TEL: 91-22-652-6696	FAX: 91-22-652-8914
Middle East	TEL: 202-2456176	FAX: 202-2456192
South America	TEL: 56-2-232-3185	FAX: 56-2-232-0923
South Africa	TEL: 27(0)126652165	FAX: 27(0)126652186
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RECYCLABLE
Rev. 02 (Oct. 2002)
Printed in Taiwan

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