D-Link®

DSL-1500G

DSL-1500G v.A1 G.S HDSL router with 10/100BASE-TX LAN port

High-Speed G.SHDSL Router for SOHO

The DSL-1500G G.SHDSL router customer premises equipment (CPE) provides small offices and telecommuters the features and speed they need for bandwidth-demanding applications. It also gives service providers a platform that allows them to offer high-margin, value-added business services while helping them reduce the cost of deployment and services.

Higher Speed & Longer Distance Coverage
The DSL-1500G router's embedded G.SHDSL is the latest version of DSL technology. It provides your business a symmetrical service for bandwidth-intensive applications. G.SHDSL can support speeds both upstream and downstream of up to 2.3 Mbps, compared to 2.0Mbps for SDSL. It can also be deployed nearly twice as far from the central office (CO) than SDSL, which is limited to a maximum distance of 5,400 meters (18,000 feet).

Multi-Vendor Equipment Deployment Capability
G.SHDSL multi-rate DSL combines the best of SDSL and HDSL2, it's aimed at users of DSL for voice, data and Internet access services. It's a global standard (G.991.2) developed by the International Telecommunications Union's (ITU) Telecommunications Standards Sector based in Geneva. By contrast, SDSL, the current DSL service of choice for business applications, is hardly recognized outside North America. With a widely adopted standard, G.SHDSL makes it possible for telecom and ISPs to achieve cost

reduction and interoperability by deploying equipment across vendor boundaries.

Cost-saving Internet Functions
The DSL-1500G router is ideal for small offices or home offices and saves you the cost by allowing your office users to share a single G.SHDSL line and a single IP address/ISP account. This router's built-in DHCP server automatically assigns IP address for all office users, simplifying everybody's logon operation.

Firewall Security
With the always-on connection that G.SHDSL provides, network security is essential. The DSL-1500G router's basic NAT firewall protects your office computers from attacks from the Internet. NAT provides security by allowing users to hide behind a single public IP address, keeping your PCs behind the router concealed from public view.

Key Features

- *ITU G.991.2 (G.SHDSL) standard, Annex A, Annex B*
- *Affordable router for multi-user broadband access*
- *Up to 2.3Mbps symmetrical line rate*
- *Supports bridged/routed Ethernet over ATM, Classical IP over ATM, PPP over ATM, PPP over Ethernet protocols*

- *Easy setup and deployment with web-based configuration*
- *Internet protection with NAT, DHCP server*
- *PAP/CHAP authentication*
- *10/100BASE-TX Fast Ethernet LAN port*
- *RS-232 diagnostic/console port*

DSL-1500G (v.A1)
Technical Specifications

DSL Standard
ITU G.991.2 (G.SHDSL) standard, Annex A, Annex B

Data Rate
Up to 2.3Mbps symmetrical

G.SHDSL Interface
- RJ-11 connector for phone line connection
- Micro filter required for analog phone set/G3 fax machine

WAN Protocols
- Bridged/Routed Ethernet over ATM (RFC 2684)
- Classical IP over ATM (RFC 1577)
- PPP over ATM protocol (RFC 2364)
- PPP over Ethernet (RFC 2516)

Signaling
- ATM signaling: UNI 3.1, 4.0
- OAM F4/F5 Loopback

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)

IP Routing Protocols
- RIP-1 (RFC 1058), RIP-2 (RFC 1389)
- Static Routing

Internet Support
- Dynamic Host Configuration Protocol (DHCP) server (RFC 2131),
  client (RFC 2131)
- Network Address Translation (NAT)

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

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

Others
- Simple firewall (NAT)
- Reset button (default factory configuration reset)

Configuration/Management
- Web-based
- Telnet

Console Port
DB-9 RS-232 DCE mode, up to 9600 baud rate

Physical & Environmental
LED Indicators
- Power
- Status
- DSL Link/Act
- Ethernet Link/Act

Power Input
Through external AC power adapter

Power Output
9V AC 1A

Power Consumption
5.06 watts (max.)

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

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

Humidity
5% to 95% non-condensing

Dimensions
180 x 141 x 30 mm (device only)

Weight
350 grams (device only)

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

Safety
CSA International

CSA60950
UL 60950
IEC 60950
EN 60950

Ordering Information

G.SHDSL Router
DSL-1500G (v.A1)   With built-in G.SHDSL modem (Annex A, B), 10/100BASE-TX LAN port

Please specify your order as follows:

DSL-1500G/EU   For use in Europe
DSL-1500G/AU   For use in Australia

D-Link®

U.S.A	TEL: 1-949-788-0805	FAX: 1-949-753-7033
Canada	TEL: 1-905-8295033	FAX: 1-905-8295095
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: 31-10-2045740	FAX: 31-10-2045880
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: 91-22-652-6696	FAX: 91-22-652-8914
Egypt	TEL: 202-62-44615	FAX: 202-62-44583
UAE	TEL: 971-4-3916480	FAX: 971-4-3908881
Turkey	TEL: 90-212-335-2525	FAX: 90-212-335-2500
Israel	TEL: 972-9-9715700	FAX: 972-9-971-5601
Chile	TEL: 56-2-232-3185	FAX: 56-2-232-0923
Brasil	TEL: 55-11-3094-2910	FAX: 55-11-3094-2921
South Africa	TEL: 27(0)1266-52165	FAX: 27(0)1266-52186
Russia	TEL: 7-095-737-3389	FAX: 7-095-737-3390
Taiwan	TEL: 886-2-2910-2626	FAX: 886-2-2910-1515
D-Link Corp.	TEL: 886-2-2916-1600	FAX: 886-2-2914-6299

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