



DSL-500G (v.C)

DSL-500G (v.C) IP Router/Broadband Internet Gateway with built-in ADSL modem.

ADSL Router for Home/SOHO

The ADSL Internet Gateway Router is designed for the small office and home. This router lets you quickly and easily connect to high-speed broadband Internet and share your ADSL line. With a built-in ADSL interface and advanced router functions, this device gives your business and home a convenient and cost-effective way to install a secure, fast network with bottleneck-free link to the outside world.

Simplified, Cost-saving Broadband Internet Connection

With this router, you can easily share your ADSL broadband line in your office or at home. To let everybody log on, this device automatically creates and assigns an IP number for each user, simplifying everyone's log on operation.

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. The 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

You can configure any of the built-in LAN switch ports to function as a DMZ port. A DMZ setting can be applied to a single client (such as a Web server) behind the router to fully expose it to the Internet and ensure complete Internet application compatibility even if the specific port is not known. 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.

Key Features

- High-speed Internet and regular phone service on the same phone line
- ADSL line Internet sharing
- Built-in ADSL interface with widest range of DSLAM interoperability (ANSI T1.413 issue 2, G.dmt Annex A, G.lite Annex A compliant)
- Virtual Private Network (VPN) pass-through support
- DMZ and Virtual Server Mapping support
- Web-based configuration
- SNMP agent & built-in MIBs for management on third-party platforms
- Sturdy, compact case

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Technical Specifications

ADSL Router

Router

Device Ports

- 1 RJ-11 ADSL port
- 1 RJ-45 10/100Mbps Fast Ethernet LAN port

Routed Packet Type

IP packets

Routing Protocols & Methods

- RIP-1, RIP-2
- Static Routing

VPN Support

- PPTP/L2TP pass-through
- IPSec pass-through

Internet Gateway Functions

- Network Address/Port Translation (NAT & NAPT)
- DHCP server (for automatic IP assignment)

Security

- PAP (PPP Authentication Protocol)
- CHAP (Challenge Handshake Authentication Protocol) with PPP

RFC Support

- RFC 0768 User Datagram Protocol
- RFC 0791 Internet Protocol
- RFC 0792 Internet Control Message Protocol
- RFC 0793 Transmission Control Protocol
- RFC 0826 Ethernet Address Resolution Protocol
- RFC 1058 Routing Information Protocol
- RFC 1157 Simple Network Management Protocol
- RFC 1213 Management Information Base-II (MIB II)
- RFC 1332 PPP Internet Control Protocol
- RFC 1350 TFTP Protocol (version 2)
- RFC 1514 Dynamic Host Configuration Protocol
- RFC 1631 IP Network Address Translator
- RFC 1661 Point-to-Point Protocol (PPP)
- RFC 1723 RIP-2 (Carrying Additional Information)
- RFC 1945 Hypertext Transfer Protocol HTTP/1.1 (subset)
- RFC 1994 PPP Challenge Handshake Authentication Protocol (CHAP)
- RFC 2516 PPP Over Ethernet (PPPoE)

DHCP Support

- DHCP server
- DHCP relay
- DHCP client

Configuration & Management

- Web-based configuration
- SNMP agent with built-in MIB-II
- Factory reset (through reset button)

Statistic Monitoring

Ethernet, ATM and ADSL statistics

Firmware Upgrade

Through TFTP and web browser

Built-in ADSL Modem

Standards

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

Data Rates

- T1.413/G.dmt, downstream: up to 8 Mbps
- T1.413/G.dmt, upstream: up to 1 Mbps
- G.lite, downstream: up to 1.5 Mbps
- G.lite, upstream: up to 512 Kbps

ATM

- UNI 3.1 and 4.0
- Precise ATM traffic shaping

Protocol Support

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

Physical & Environmental

Diagnostic LEDs

- Power
- Status
- ADSL Link/Act
- Ethernet Link/Act

Power

- Output: 9VAC, 1.0A
- Input: 120VAC - 240VAC through external AC power adapter

Dimensions

142 x 117 x 31 mm (5.59 x 4.61 x 1.22 inches)

Weight

360 grams (0.8 lb.)

Operating Temperature

0° - 40°C

Storage Temperature

-20° - 55°C

Operating Humidity

5 - 95% non-condensing

EMI

- FCC Class B
- ICES-003
- CE Class B

Safety

CSA International Mark

Ordering Information

ADSL Internet Gateway Router

DSL-500G (v.C) 1 RJ-11 ADSL port
1 RJ-45 10BASE-T/100BASE-TX LAN port

Please specify your order as follows:

DSL-500G/US v.C1	For USA
DSL-500G/EU v.C1	For Europe
DSL-500G/UK v.C1	For UK
DSL-500G/NZ v.C1	For New Zealand
DSL-500G/AU v.C1	For Australia
DSL-500G/CA v.C2	For Canada

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®

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U.K.	TEL: 44-20-8731-5555	FAX: 44-20-8731-5511
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France	TEL: 33-1-30238688	FAX: 33-1-30238689
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