



— DSL-502T (v.A1)

ADSL Router for Home/SOHO

With Additional USB Port

The DSL-502T is an ADSL Router 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 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.

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.

Firmware Upgradeable to Support Better ADSL Standards

Firmware inside the DSL-502T can be upgraded to support new DSL standards, including ADSL2, ADSL2+ and reach-extended ADSL2 (RE-ADSL2), providing better speeds, longer distance coverage, reduced power consumption while maintaining ADSL's always-on functionality. This allows you to take advantages of the higher speeds and functions when the new standards become available from your service provider, without changing your existing ADSL hardware or installation.

Standards & Features

- High-speed Internet access via one WAN port on the existing phone line, connecting to a group of users via an Ethernet switch
- ADSL line Internet sharing
- 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
- Upgradeable to ADSL2, ADSL2+, RE-ADSL2 standards *
- 1 10/100BASE-TX LAN port, 1 USB 1.1 port for connection to a workstation
- Virtual Private Network (VPN) pass-through support
- DMZ and Virtual Server Mapping support
- Web-based configuration

* Firmware upgrade to ADSL2 available in the near future

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Technical Specifications

ADSL Router

Router

LAN/Computer Interface

- RJ-45 10/100BASE-TX Fast Ethernet LAN port
- USB 1.1 port

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
- USB Link/Act

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
- Firmware upgradeable to ADSL2/RE-ADSL2/ADSL 2+ standards *

* Firmware upgrade to ADSL2 available in the near future

Data Rate

- 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 Cell format ITU-T Rec. I.361
- ATM Adaptation Layer AAL5
- ATM signaling ATM Forum UNI3.1/4.0
- OAM support F4/F5 Loopback
- ATM QoS (Traffic Shaping) UBR, CBR, VBR

Bridged/PPP Support

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

Physical & Environmental

Power Input

Through 9VAC 1A external power adapter

Dimensions

142 x 117 x 31 mm

Weight

202 grams

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-502T (v.A1)

1 RJ-11 ADSL port
1 RJ-45 10/100BASE-TX LAN port
1 USB 1.1 port

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.

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