



— DSL-510 (v.A1)

ADSL Router

The DSL-510 ADSL router combines high-speed broadband connection with versatile router functions. Designed for home and the small office users, this device incorporates a built-in ADSL interface, cost-saving Internet functions and network protection for users from Internet intruders.

ADSL Broadband WAN Connection

The DSL-510 router can connect a single computer or a group of users to the Internet via a broadband ADSL line. An interface supporting G.dmt, G.lite and auto-handshake for different ADSL flavors is built into this router supporting a wide range of telecom service providers. This built-in ADSL allows you to flexibly hook up DMT full rate DSL service (8Mbps), or make use of the economic G.lite rate. Both "always-on" and dial-up ADSL to save ISP charge are supported.

Cost-saving Internet Functions

Cost-saving Internet functions like NAT and DHCP server are built into this router, permitting your entire home or office to share one single broadband line and one single ISP account. The router automatically assigns IP address for all home and office users, simplifying everyone's logon operation.

Network Security

The router provides NAT protection for your office and home users from any Internet intruders and hackers. VPN pass-through for extra security is also supported. The router blocks and limits the services that outside users can access your network. It can be set to allow separate FTP, Web, and Multiplayer game servers to share the same Internet-visible IP address while masking your the addresses of your home and office servers and workstations on the Internet to protect them from hackers.

Fast Ethernet Interface

The router provides a 10/100BASE-TX Fast Ethernet port for connection to a computer host. A group of home or office users can connect to the router through an Ethernet hub or switch through this port. Auto MDI/MDIX is supported, eliminating the need to change from a straight-through to a cross-over network cable when the router is connected to a hub or switch instead of to a computer.

Features

- Cost-saving gateway functions for broadband Internet sharing
- Internet protection with VPN pass-through, NAT, DHCP server/client, DNS relay
- Built-in ADSL T1.413 issue 2, G.dmt and G.lite compliant ADSL Annex A interface
- Auto-handshake for different ADSL flavors
- ADSL supports bridged Ethernet over ATM, PPP over ATM, PPP over Ethernet, IP over ATM
- 10/100BASE-TX port with auto MDI/MDIX support to connect to computer or home/office LAN
- PAP/CHAP authentication, administrative passwords through Telnet
- Built-in MIBs for SNMP management
- Web-based configuration setup
- HTTP firmware upgradeable

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Technical Specifications

ADSL Router

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

- DMT full rate downstream: up to 8Mbps
- DMT full rate upstream: up to 640Kbps
- 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

LAN Interface

- 10/100Mbps 10/100BASE-TX port
- Network speeds auto-sensing, full/half duplex support
- Auto MDI/MDIX support

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)

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)

Firmware Upgrade, Configuration Backup/Restore

HTTP supported

Physical & Environmental

LED Indicators

- Power (per device)
- Status (per device)
- ADSL: Link, Act
- Ethernet: Link, Act

Power Input

9 VAC 1A
Through external power adapter

Power Consumption

9 watts (max.)

Operating Temperature

0° to 40°C

Storage Temperature

-25° to 60 °C

Operating Humidity

10% to 95% non-condensing

Storage Humidity

10% to 95% non-condensing

Dimensions

142 x 108.79 x 31 mm

Weight

200 grams

Emissions (EMI)

- FCC Class B
- CE Class B
- A-Tick

Safety

- UL
- CB
- LVD



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Ordering Information

ADSL Router DSL-510 (v.A1)

Built-in ADSL modem (Annex A),
RJ-45 10/100BASE-TX port

Please specify one of the following after the model number:

DSL-510/A
DSL-510/E
DSL-510/N
DSL-510/CN

with US standard power adapter
with EU standard power adapter
with Australia standard power adapter
for use in China

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France	TEL: 33-1-30238688	FAX: 33-1-30238689
Benelux	TEL: 31-10-282-1445	FAX: 31-10-282-1331
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India	TEL: 91-22-652-6696	FAX: 91-22-652-8914
Middle East	TEL: 9714-8834234	FAX: 9714-8834394
Turkey	TEL: 90-212-335-2553	FAX: 90-212-335-2500
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D-Link Corp.	TEL: 886-2-2916-1600	FAX: 886-2-2914-6299



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