D-Link®
Building Networks for People

ADSL Router

With Firewall Protection/QoS Control

- **Integrated ADSL & 4-Port Switch**
- **High-Speed ADSL2/2+ Connection**
- **DoS & SPI Firewall Protection**
- **QoS & SNMP Management Support**

FEATURES

4-Port ADSL Router
- Built-in ADSL Interface
- Integrated 4-Port Ethernet Switch

High-Speed ADSL Access
- ADSL: G.992.1 G.dmt, G.992.2 G.lite, ANSI T1.413 Issue 2 (Full Rate DMT Over Analog POTS) Annex A
- ADSL2: G.992.3 (G.dmt.bis) Annex A
- ADSL2+: G.992.5 Annex A
- G.994.1 G.hs Auto-Negotiation of Different ADSL Flavors

Firewall/Access Security
- DoS Attack Prevention
- Stateful Packet Inspection (SPI)
- IP/MAC-Based Packet Filtering
- Port-Based VLAN

QoS/Bandwidth Control
- Traffic Prioritization With 4 Priority Queues
- IGMP Snooping Multicast

Easy Setup/Flexible Management
- Dynamic Domain Name System (DDNS)
- Universal Plug and Play (UPnP) Compliant
- Quick Installation Wizard
- Web-Based GUI for Local/Remote Management
- SNMP Management

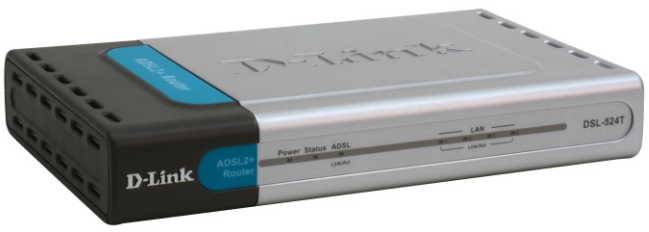
The DSL-524T ADSL router is a versatile, high-speed remote router for home and the small office. With integrated ADSL2/2+ supporting up to 24Mbps download speed, firewall protection, Quality of Service (QoS) and 4 Ethernet switch ports, this router provides all the functions that a home or small office needs to establish a secure and high-speed remote link to the outside world.

High-Speed ADSL Connection. The DSL-524T features the latest ADSL2/ADSL2+ standards, providing speeds of up to 24Mbps downstream and 1Mbps upstream (ADSL2+), or 12Mbps downstream and 1Mbps upstream (ADSL2). This router auto-senses the connection type and auto-negotiates the best modulation scheme, using the G.hs (handshake) protocol.

Shared Internet Access for Workgroup. The DSL-524T provides DHCP server for a group of home or office users to simultaneously access the Internet. It integrates 4 10/100Mbps Ethernet switch ports for ready connection to 4 computers, saving you the cost and trouble of installing a separate Ethernet switch.

Firewall Protection. The DSL-524T provides firewall security using Stateful Packet Inspection (SPI) and hacker attack logging for Denial of Service (DoS) attack protection. SPI inspects the contents of all incoming packet headers before deciding what packets are allowed to pass through. Access control is provided with packet filtering based on port and source/destination MAC/IP addresses. With Virtual Server Mapping, the router can be set to allow separate FTP, Web, and multiple games to share the same Internet-visible IP address while still protecting your servers and workstations from hackers. You can configure any of the built-in LAN ports of the router to function as a DMZ port. VPN pass-through is provided to let mobile users access files and mail from offices to work at home without having to use complex VPN client software.

Quality of Service Features. The DSL-524T supports 4 priority queues to enable a group of home or office users to experience the benefit of smooth network connection of inbound and outbound data without concern of traffic congestion. This QoS support allows you to enjoy high ADSL transmission for applications such as VoIP, multimedia and on-line games over the Internet.



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Technical Specifications

Hardware

Interfaces
- 1 RJ-11 ADSL port
- 4 RJ-45 10/100BASE-TX Fast Ethernet LAN switch ports with auto MDI/MDIX
- Factory reset button

ADSL

Standards
- ADSL standards: ANSI T1.413 Issue 2, ITU G.992.1 (G.dmt) Annex A, ITU G.992.2 (G.lite) Annex A
- ADSL2 standards: ITU G.992.3 (G.dmt.bis) Annex A, ITU G.992.4 (G.lite.bis) Annex A
- ADSL2+ standards: ITU G.992.5 Annex A
- Auto-handshake: ITU G.994.1 (G.hs)

Data Rates
- G.dmt: 8Mbps downstream, 832Kbps upstream
- G.lite: 1.5Mbps downstream, 512Kbps upstream
- ADSL2: 12Mbps downstream, 1Mbps upstream
- ADSL2+: 24Mbps downstream, 1Mbps upstream

ATM & PPP Protocols
- ATM Adaptation Layer Type 5 (AAL5)
- Bridged or routed Ethernet encapsulation
- VC and LLC based multiplexing
- PPP over Ethernet (PPPoE)
- PPP over ATM (RFC 2364)
- Classical IP over ATM (RFC 1577)
- OAM F4/F5

Router

Network Protocols & Features
- NAT, Static Routing, RIP v.1, v.2
- Universal Plug and Play (UPnP) Compliant
- Dynamic Domain Name System (DDNS)
- Virtual Server & DMZ
- SNTP, IGMP proxy

Firewall/Access Security
- Built-in NAT firewall
- Stateful Packet Inspection (SPI)
- DoS attacks prevention (IP Spoofing, Land Attack, Smurf Attack, Ping of Death, TCP SYN flooding)
- Packet filtering based on port, source IP address, destination IP address, MAC address (ICMP/TCP/UDP)

Virtual Private Network (VPN)
- PPTP/IPSec pass-through

Configuration/Management

- Quick Installation Wizard
- Web-based GUI for remote/local management
- Firmware upgrade, configuration data upload/download via Web-based GUI
- Telnet server for remote/local management
- Syslog monitoring
- SNMP v.1, v.2c support using built-in MIB-II(RFC-1213)
- DHCP server/client

QoS Control
- LAN to WAN traffic prioritization/bandwidth management
- 802.1p traffic prioritization (4 queues)

Security/Bandwidth Management
- IGMP Snooping with 32 Multicast groups
- PVC/VLAN port mapping (4 VLANs)
- Bandwidth management based-on IP protocol, port number, MAC address

Physical & Environmental

Power Input
Through 12VAC 1.2A external power adapter

Dimensions
193 x 118 x 31 mm

Weight
293 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 (EN55022/EN55024/EN300 328/EN301 489)

Safety
- CSA
- LVD

CSA60950 UL 60950 IEC 60950 EN 60950 C US

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Turkey	TEL: 90-212-289-56-59	FAX: 90-212-289-76-06
Egypt	TEL: 202-414-4295	FAX: 202-415-6704
Israel	TEL: 972-9-9715700	FAX: 972-9-9715601
LatinAmerica	TEL: 56-2-232-3185	FAX: 56-2-232-0923
Brazil	TEL: 55-11-218-59300	FAX: 55-11-218-59322
South Africa	TEL: 27-12-665-2165	FAX: 27-12-665-2186
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