D-Link®

DSL-504T (v.A1)

ADSL Router for Home/SOHO

With Built-in 4-Port Switch

The DSL-504T 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, 4 10/100BASE-TX Ethernet switch ports 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.

Built-in ADSL Interface and Ethernet Switch Ports

A standard-based ADSL modem in built into this router, making connection to the Internet a breeze. The router also incorporates four 10/100Mbps Ethernet switch ports, providing ready connection for workstations and servers, while saving you the cost and trouble of installing a separate Ethernet switch.

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 severs 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-504T 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*
- *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*
- *4 10/100BASE-TX switch ports auto-sensing of 10/100Mbps Ethernet speeds for ready connection to 4 workstations/servers*

- *Virtual Private Network (VPN) pass-through support*
- *DMZ and Virtual Server Mapping support*
- *Web-based configuratio*
- *Upgradeable to ADSL 2, ADSL 2+, RE-ADSL2 standards ***

* Firmware upgrade to ADSL2 available in the near future

Router

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

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

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, ADSL2+ 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

Performance
Passed DSL Forum TR-048 Performance Criteria (ETSI, UR-2)

ATM/ADSL
- ATM signaling: UNI3.0, 3.1 and 4.0
- ATM 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 12VAC 1.2A external power adapter

Dimensions
180 x 141 x 30 mm (device only)

Weight
332 grams (device only)

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-504T (v.A1)   1 RJ-11 ADSL port
4 RJ-45 10/100BASE-TX LAN switch ports

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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