D-Link®

DSL-504

ADSL Modem with 4-Port 10/100 Switch

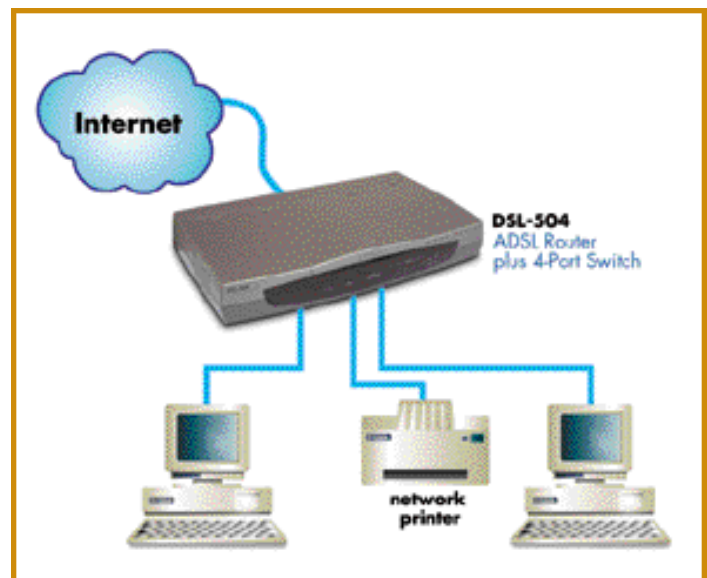### The Easiest Way to Share your High-Speed DSL Internet Connection

The D-Link DSL-504 DSL Router with 4-Port Switch is the easiest way to share your high-speed DSL Internet connection. With 18MB of integrated SDRAM for routing tables and MAC address translation, the DSL-504 provides all of the benefits of a high-end business router. At the heart of the DSL-504 is a built in ADSL modem that provides blazing fast Internet access over a regular phone line. Ports on the unit include one standard RJ-11 port for an ADSL connection and 4-RJ-45 10/100 Ethernet ports that make sharing the ADSL connection simple. The DSL-504's integrated 4-Port switch allows up to 4 computers to be connected directly to the unit or an external switch can be up linked to increase the number of machines that can be connected to it.

The D-Link DSL-504 DSL Router with 4-Port Switch provides up 8Mbps of downstream bandwidth using the G.dmt standard and 640Kbps of upstream. Using the G.lite standard gives users 1.5Mbps of downstream bandwidth and up to 512Kbps upstream. This bandwidth can be shared with any computer connected to the DSL-504; through the use of it's built in 4-port 10/100 Ethernet/Fast Ethernet NWay Auto Negotiating Switch. The router has an integrated Dynamic Host Control Protocol (DHCP) server and uses Network Address Translation (NAT) to allow all computers that are on the private network to share a single public IP address.

The D-Link DSL-504 DSL Router with 4-Port Switch has an intuitive web based management suite in its firmware. Having the setup software included in the firmware means that the DSL-504 requires no extra software to be installed on the client machines. This web-based management includes diagnostics and configuration software for setting up the router. Using the DSL-504's incorporated diagnostics software gives ISPs the option to remotely manage and maintain their subscribers high-speed Internet connections without the need for a "truck roll".

The D-Link DSL-504 allows up to 4 computers to be connected directly to the unit while providing blazing fast Internet Access

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DSL-504 ADSL Modem with 4-Port Switch

Technical Specifications	
Hardware:	
Virata	CPU VC8410-PQC
ITEX	DMT Controller (90135) and Analog Front End (80234)
Kendin	Switch Controller (KS8995)
Interface	• One RJ-11 port for ADSL connection. • Four-port 10/100 Switch. • One console (RS-232/DB9) port for local configuration.
Standard Compliance	• ANSI T1.413 issue 2 (Full rate DMT over analog POTS) • ITU G.992.1 (G.dmt) • ITU G.992.2 (G.lite) • ITU G.994.1 (G.hs)
Data Rate	• DMT full rate: Downstream data rate up to 8Mbps. Upstream data rate up to 640Kbps. • G.lite ADSL: Downstream data rate up to 1.5Mbps. Upstream data rate up to 512Kbps.
Flash Memory	2 MB
LED Indicators	• One power indicator. • One system ready. • One ADSL link indicator. • One ADSL Act indicator. • One LAN link indicator. • One LAN Act indicators.
SDRAM	Total 18MB SDRAM • 16MB for CPU • 2MB for DMT controller.
Dimensions (H*W*D)	215mm*163mm*45mm
Operating temperature	0°C to 55°C
Operating humidity	5 to 95% (noncondensing)
EMI	• CE class B • FCC class B • POT 68
Safety	• UL • CSA
Software:	

Network Protocol	• IP routing:
	    ◦ --TCP
	    ◦ --ICMP (RFC791)
	    ◦ --UDP (RFC792)
	    ◦ --Supports RIP version 1 and RIP version2 update of routing table.
	• Transparent bridging.
	• DHCP: Dynamic Host Configuration Protocol server and client.

Network Address Translation (NAT) allowing multiple computers on a private network to share a single public IP address.	
Bridged Ethernet over ATM (RFC1483).	
Classical IP over ATM (RFC1577).	
PPP over ATM protocol (RFC2364).	
Support for the flash filing system.	
Precise ATM traffic shaping (CBR and UBR).	
ATM Signaling	UNI3.0, 3.1 and 4.0 Signaling.
Security	• Password Authentication Protocol (PAP) • Challenge Handshake Authentication Protocol (CHAP where the userâs ID and password will be automatically encrypted before sent to the server for verification. • Administrative password through TELNET only.
Network Management	Telnet provisioning.
Web based management systems.	
TFTP	The built-in Trivial File Transfer protocol provides firmware upgrade and configuration backup and