ADSL2+ MODEM

Surf the Internet, check e-mail, and chat online	Easy setup – no technical experience required!	Connect your computer using an Ethernet port

ULTIMATE INTERNET CONNECTION FOR YOUR HOMES

The ADSL2+ Modem (DSL-520B) is an affordable high-performance modem ideal for your home or small office. This modem supports high download speeds, Quality of Service (QoS), and extensive firewall protection, providing all the essentials that a home or small office would need to establish a secure and high speed remote link to the outside world.

EXTENSIVE FIREWALL FEATURES FOR ADDED INTERNET DEFENSE

Security features prevent unauthorized access of Internet intruders from entering your home network. This modem provides firewall security using Stateful Packet Inspection (SPI) and Denial of Service (DoS) attack protection. SPI inspects the contents of all incoming packet headers before deciding what packets are allowed to pass through.

QUALITY OF SERVICE FOR SMOOTH TRAFFIC

Quality of Service (QoS) supports multiple priority queues to enable a group of home users to experience the benefits of smooth network connection of inbound and outbound data without concern for traffic congestion. This modem's QoS support allows users to enjoy high ADSL transmission for applications such as VoIP, streaming multimedia and online games.

WHAT THIS PRODUCT DOES

This ADSL2+ modem connects to the Internet using an integrated high-speed ADSL2+ interface, and allows multiple computers to share a high-speed Internet connection. It also functions as a router that provides firewall protection and QoS for secure and smooth online gaming, voice communications and downloading of photos, files, music and video over the Internet.

HIGH-SPEED INTERNET ACCESS

Always on high-speed internet connection, this modem allows you to do all of your favorite things on the Internet. Watch TV, listen to live music, play games, and experience clear Internet phone calls. Now, smooth streaming multimedia and VoIP voice are possible at home and in the office through a simple connection with this modem.

DSL-520B

GREATER COMPATIBILITY

This D-Link ADSL2+ Modem is TR-067 compliant, ensuring that it will work with your Internet Service Provider's (ISP) network infrastructure. It is also TR-069 compliant, which automatically updates the firmware and other settings when they become available from your ISP.

TECHNICAL SPECIFICATIONS

YOUR NETWORK SETUP

INTERNET

DSL-520B

WIRED PC

WIRELESS N 150 ROUTER

WIRELESS ADAPTER REQUIRED

DEVICE INTERFACES
+ RJ-11 ADSL port
+ RJ-45 10/100BASE-TX Ethernet port with auto MDI//MDIX

ADSL STANDARDS
+ ADSL : Multi-mode, ANSI T1.413 Issue 2, ITU-T G.992.1 (G.dmt) Annex A, ITU-T G.992.2 (G.lite) Annex A,
+ ITU-T G.994.1 (G.hs)
+ ADSL2: ITU-T G.992.3 (G.dmt.bis) Annex A/L/M ITU-T G.992.4 (G.lite.bis) Annex A
+ ADSL2+: ITU-T G.992.5 Annex A/M

ADSL DATA RATES
+ G.dmt: 8Mbps downstream, 832Kbps upstream
+ G.lite: 1.5Mbps downstream, 512Kbps upstream
+ ADSL2: 12Mbps downstream, 1Mbps upstream
+ ADSL2+: 24Mbps downstream, 3.5Mbps upstream

ATM & PPP PROTOCOLS
+ ATM Adaption Layer type 5 (AAL5)
+ Bridged or routed Ethernet encapsulation
+ VC and LLC based multiplexing
+ MAC Encapsulated Routing
+ ATM Forum UNI3.1/4.0 PVC
+ ATM Cell Format ITU-T Rec. I.361
+ PPP over ATM (RFC 2364)
+ PPP over Ethernet (PPPoE)
+ PPP Link Control Protocol (LCP)
+ Internet Protocol Control Protocol (IPCP)
+ PPP Authentication Protocol (PAP)
+ PPP Challenge Handshake
+ Authentication Protocol (CHAP)
+ Microsoft PPP CHAP extensions

VIRTUAL PRIVATE NETWORK
Multiple IPSec/PPTP/L2TP pass-through

ROUTER FEATURES & NETWORK PROTOCOLS
+ Internet Control Message Protocol (ICMP)
+ Network Address Translation (NAT), IP Static Routing, Routing Information Protocol (RIPv1, RIPv2)
+ NAT ALG (optional):
+ MSN/AOL/Yahoo Messenger, FTP, CUSEEME, Real Audio, MIRC, SIP, ICQ, games, SNMP
+ Dynamic Host Configuration Protocol (DHCP); DHCP server, client, and relay
+ SNTP, DNS Relay, DDNS proxy and IGMP proxy
+ UPnP Support

FIREWALL /ACCESS SECURITY
+ MAC Filtering (optional)
+ Packet Filtering
+ Stateful Packet Inspection (SPI)
+ Denial of Service prevention (DoS)
+ Intrusion Detection System/Log
+ User Authentication PAP
+ User Authentication CHAP

CONFIGURATION/MANAGEMENT
+ Web-based GUI configuration
+ 3-level login control for local/remote management
+ Firmware upgraded, configuration data uploaded and downloaded via Webbased GUI
+ TFTP for firmware, configuration files and image files upgrade and download
+ TFTP server and client
+ Code Lock to prevent from improper firmware upgrade through UI, TFTP, and TR-069
+ Telnet/SSH access for configuration (optional)
+ Local access via console (optional)
+ ADSL/ADSL2/ADSL2+ manual selection and auto fallback
+ Auto VPI/VCI detection
+ Configuration backup and restore
+ Diagnostics
+ Log & Trace function
+ SNMP v.1 and v.2c with MIB-I and MIBII (optional)
+ TR-069 compliant with ACS (optional)

BROADBAND

DSL-520B
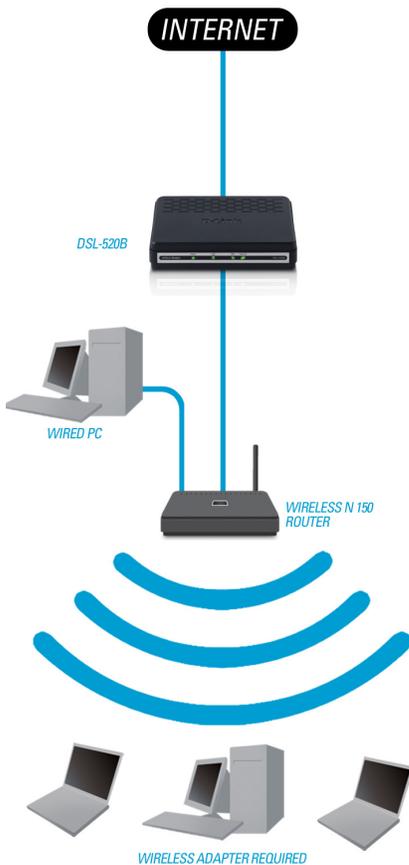
QUALITY OF SERVICE

+ Traffic Prioritization/Classification
+ Port-based priority
+ 802.1p/q (0-7) priority
+ DiffServ-Codepoint IPQos (TOS)
+ Application port-based priority
+ 4 priority queues per PVC
+ Traffic Shaping
+ PVC/VLAN

POWER

+ Input: 100-240 VAC, 50/60 Hz
+ Output: 12v DC, 0.5A
+ Power switch (optional)
+ Factory reset button

OPERATING TEMPERATURE

+ 32°F to 104°F (0˚ C to 40˚ C)

STORAGE TEMPERATURE

+ -4°F to 158°F (-20˚ C to 70˚ C)

OPERATING HUMIDITY

+ -5% to 95% non-condensing

CERTIFICATIONS

+ FCC Part 15 Class B
+ CE
+ ROHS

WARRANTY

+ 1-Year Limited[1]

[1] 1-Year Limited Warranty available only in the USA and Canada.

MINIMUM SYSTEM REQUIREMENTS

+ Computer with Network Interface Card
+ Subscription to DSL Internet Service Provider (ISP)

PACKAGE CONTENTS

+ ADSL2+ Modem
+ Telephone Cable (RJ-11)
+ CAT5 Ethernet Cable (RJ-45)
+ Power Adapter
+ Quick Install Guide
+ CD-ROM[3]

BROADBAND