The DSL-2543B ADSL Modem Router is an affordable high-performance router ideal for the home and small office. With its integrated ADSL2/2+ supporting high download speeds of 24Mbps, Quality of Service (QoS), extensive firewall protection and 4-port built-in switch, this router provides 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 or small office network. This router 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. Router access control is provided with packet filtering based on port and source/destination MAC/IP addresses.

**QUALITY OF SERVICE FOR SMOOTH TRAFFIC**

Quality of Service (QoS) supports multiple 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 for traffic congestion. This router’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 4-port ADSL modem router connects to the Internet using an integrated high-speed ADSL2+ interface, and allows multiple computers, at home or the office, to share high-speed Internet connection. The router provides firewall protection and QoS for secure and smooth online gaming, voice communications and downloading of photos, files, music and video over the Internet. 4-built-in LAN ports provide ready connection to 4 computers through the Ethernet cables.

GET HIGH-SPEED ADSL SPEED

Ready ADSL connection, with up to 24Mbps downstream and 1Mbps upstream, this router 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 to this router.

YOUR NETWORK SETUP

INTERNET

DSL-2543B

TECHNICAL SPECIFICATIONS

DEVICE INTERFACES
+ RJ-11 ADSL port
+ 4 RJ-45 10/100BASE-TX Ethernet ports with auto MDI/MDIX

ADSL STANDARDS
+ ADSL2+ standards: ITU-T G.992.5 Annex B

ADSL DATA RATES
+ G.dmt: 8Mbps downstream, 832Kbps upstream
+ G.lite: 1.5Mbps downstream, 512Kbps upstream
+ ADSL2: 12Mbps downstream, 1Mbps upstream
+ ADSL2+: 24Mbps downstream, 1 Mbps 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. 1.261
+ PPP over Ethernet (PPPoE)
+ PPP over ATM (RFC 2394)
+ PPP over Ethernet (PPPoE)
+ PPP Link Control Protocol (LCP)
+ Internet Control Protocol Protocol (ICPP)
+ PPP Authentication Protocol (PAP)
+ PPP Challenge Handshake Authentication Protocol (CHAP)
+ Microsoft PPP CHAP extensions

ROUTER FEATURES & NETWORK PROTOCOLS
+ Ethernet to ADSL Self-Learning Transparent Bridging
+ Internet Control Message Protocol (ICMP)
+ Network Address Translation (NAT), IP Static Routing
+ NAT ALG (optional): MSN/AOL/Yahoo Messenger, FTP, SNMP, CUSeeMe, Real Audio, TIRC, SIP, ICQ, games
+ Dynamic Host Configuration Protocol (DHCP); DHCP server, client, and relay
+ SNTP; DNS Relay, DNS proxy and tDNS proxy

FIREWALL /ACCESS SECURITY
+ B/ANAT firewall
+ MAC Filtering
+ Packet Filtering
+ URL Content Filtering (keyword filtering)
+ Domain Blocking
+ Stateful Packet Inspection (SPI)
+ Denial of Service prevention (DoS)
+ Intrusion Detection System/Log
+ User Authentication PAP
+ User Authentication CHAP
+ User-defined priority (TCP/UDP/ICMP)
+ DMZ
+ Multiple IPSec/PPTP/L2TP pass-through
+ NAT ALG (optional): MSN/AOL/Yahoo Messenger, FTP, SNMP, CUSeeMe, Real Audio, TIRC, SIP, ICQ, games
+ Dynamic Host Configuration Protocol (DHCP); DHCP server, client, and relay
+ SNTP; DNS Relay, DNS proxy and tDNS proxy
+ Virtual Private Network
+ URL Content Filtering (keyword filtering)
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QUALITY OF SERVICE
+ Traffic Prioritization/Classification
+ Port-based priority
+ 802.1p/q (Q-T) priority
+ Diffserv/Codepoint IPQos (TOS)
+ Application port-based priority
+ User-defined priority (TCP/UDP/ICMP)
+ 4 priority queues per PVC
+ Traffic Shaping
+ Bandwidth Control (64K/128K/256K/512K)
+ PVC/VLAN
+ IGMP Snooping

POWER
+ 9V/1A or 12V/1.2A (AC or DC)
+ Dying Gasp (optional)
+ Power switch (optional)
+ Factory reset button

OPERATING TEMPERATURE
0˚ C to 40˚ C

STORAGE TEMPERATURE
-20˚ C to 70˚ C

OPERATING HUMIDITY
-5% to 95% non-condensing

EMISSIONS (EMC/EMI)
+ CE (EN55022/EN55024)

SAFETY
+ CSA International: CSA60950-1, EN60950-1, UL60950-1
+ CE LVD EN60950-1

OTHERS
+ RoHS compliant

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