

ADSL2+ ETHERNET/USB COMBO ROUTER

HIGH-SPEED ADSL2+ INTERNET CONNECTION

Latest ADSL2+ standard provides Internet transmission of up to 24Mbps downstream, up to 2Mbps upstream

ALL-IN-ONE SINGLE BOX SOLUTION

Built-in ADSL modem, Ethernet and USB port, QoS and Firewall protection, all in one single palm-sized box

TOTAL COMPATIBILITY & EASE OF USE

Works with all major Internet Service Providers, simple installation



AFFORDABLE HIGH-SPEED CONNECTION FOR HOME & SMALL OFFICE

The DSL-526B ADSL2+ combo modem router is an affordable high-performance ADSL device for home and the small office. With integrated ADSL2/2+ supporting up to 24Mbps download speed, firewall protection and Quality of Service (QoS), this router provides all the essentials that a home or small office needs to establish a secure and high-speed remote link to the outside world.

FIREWALL PROTECTION & QOS

Security features prevent unauthorized access to the home and office network from Internet intruders. The 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. For Quality of Service (QoS), the router 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 of traffic congestion. This QoS support allows users to enjoy high ADSL transmission for applications such as VoIP, streaming multimedia, and on-line games over the Internet.

DSL-526B

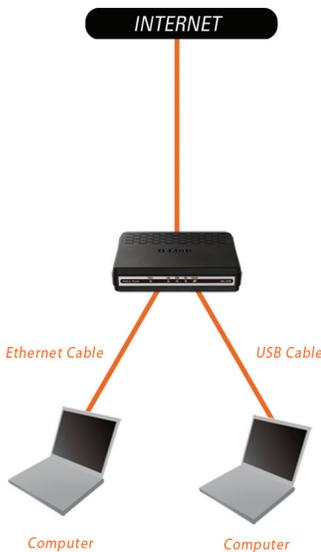
WHAT THIS PRODUCT DOES

This ADSL combo modem router connects your computer to the Internet using an integrated high-speed ADSL2+ interface. It provides a NAT and SPI firewall to protect your computer from Internet attacks, and QoS functions to prioritize traffic for smooth on-line games, streaming multimedia and voice communication over the Internet, as well as download of large files, photos, music and video. When needed, multiple computers at home and the office can also share the high-speed Internet line using the router's built-in DHCP server/NAT functions and an externally connected Ethernet switch.

GET HIGH-SPEED ADSL SPEED

Ready ADSL connection with up to 24Mbps downstream and 2Mbps upstream. Watch TV, listen to live music and broadcast on the Internet, 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 COMPUTER INTERNET CONNECTION



DEVICE INTERFACES

- RJ-11 ADSL port
- RJ-45 10/100BASE-TX Ethernet LAN port with auto MDI/MDIX
- USB1.1 Port
- Factory reset button

ADSL STANDARDS

- Full-rate 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 STANDARDS

- ITU-T G.992.3 (G.dmt.bis) Annex A/L/M
- ITU-T G.992.4 (G.lite.bis) Annex A
- Annex M compatible: up to 2Mbps upstream

ADSL2+ STANDARD

ITU-T G.992.5 Annex A/M

ATM/PPP PROTOCOLS

- Multiple protocol encapsulation over AAL5
- Bridged and routed Ethernet encapsulation
- Logical Link Control (LLC) encapsulation
- VC-based multiplexing
- RFC 1483, RFC 2684
- MAC Encapsulated Routing RFC 1483 MER
- ATM Forum UNI3.1/4.0 PVC Up to 8 PVCs
- Multiple services, PPPoE, bridge, MER over single PVC: optional
- ATM Cell Format ITU-T Rec. I.361
- ATM Adaptation Layer Type 5 (AAL5)
- ITU-T I.610 OAM Principles & Functions include F4/F5 loopback
- ATM QoS (Traffic Shaping) UBR, CBR, rt-VBR, nrt-VBR
- PPP over ATM RFC 2364
- PPP over Ethernet RFC 2516
- PPP Link Control Protocol (LCP) RFC 1661
- Internet Protocol Control Protocol (IPCP) RFC 1332
- PPP Authentication Protocol (PAP) RFC 1334
- PPP Challenge Handshake Authentication Protocol (CHAP) RFC 1994
- Microsoft PPP CHAP extensions RFC 2433

NETWORK PROTOCOLS

- Ethernet to ADSL Self-Learning Transparent Bridging
- Internet Control Message Protocol (ICMP) RFC 792
- IP Static Routing
- Routing Information Protocol (RIP, RIPv2)

TECHNICAL SPECIFICATIONS

- RFC 1058, RFC 1723
- Network Address Translation (NAT) RFC 1631
- Virtual Server, Port Forwarding
- NAT ALGs (optional): MSN/AOL/Yahoo Messenger, FTP, SNMP, CUSEEME, Real Audio, MIRC, SIP, ICQ, games
- DHCP server/client/relay RFC 2131
- DNS Relay, DDNS
- IGMP proxy v.3 supported
- Simple Network Time Protocol (SNTP)

FIREWALL

- NAT firewall
- MAC Filtering
- Packet Filtering IP/ICMP/TCP/UDP
- URL Content Filtering (keyword filtering)
- Domain Blocking
- Stateful Packet Inspection (SPI)
- Denial of Service prevention (DoS)
- Intrusion Detection
- System/Log
- User Authentication PAP RFC 1334
- User Authentication CHAP RFC 1994
- DMZ

VPN

IPSec/PPTP/L2TP pass-through

QOS

- Traffic Prioritization/Classification:
- Port-based priority
- 802.1p (8 queues)
- Diffserv 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 port mapping (bridge mode)
- IGMP snooping 32 multicast groups

CONFIGURATION/MANAGEMENT

- Web-based GUI
- Web-based/TFTP firmware/configuration upgrade
- TFTP server/client
- Code Lock to prevent from improper firmware upgrade through UI, TFTP, TR-069
- Telnet/SSH access for configuration (optional)
- Local access via console (optional)
- UPnP IGD 1.0 (optional)
- ADSL/ADSL2/ADSL2+ manual selection and auto fallback
- Configuration backup and restore
- Diagnostics
- Log & Trace function

- SNMP v.1 and v.2c w/ MIB-I and MIB-II (optional)
- RFC 1213, RFC 2662
- TR-069 compliant w/ ACS (optional)

DIAGNOSTIC LEADS

- Power
- Status (optional)
- DSL Link/Activity
- Ethernet Link/Activity

POWER SUPPLY

- 12VDC/0.5A switching power adapter
- Dying Gasp (optional)

DIMENSIONS

141 mm (L) x 107 mm (W) x 33 mm (H)

OPERATING TEMPERATURE

0° to 40° C (32° to 104° F)

STORAGE TEMPERATURE

-20° to 70° C (-4° to 158° F)

HUMIDITY

5% to 95% non-condensing

EMC CERTIFICATION

- CE
- FCC Class

TELECOM CERTIFICATION

- CE TBR-21
- FCC Part 68
- A-Tick

SAFETY CERTIFICATION

- CSA International
- CE
- C-Tick



D-Link Corporation

No. 289 Xinhua 3rd Road, Neihu, Taipei 114, Taiwan

Specifications subject to change without notice.

D-Link is a registered trademark of D-Link Corporation and its overseas subsidiaries.

All other trademarks belong to their respective owners.

Release 02 (September 2009)