ADSL2+ MODEM WITH WIRELESS N300 ROUTER

Wireless N technology for up to 300Mbps^2 wireless connection, compatible with Wireless G devices

Latest ADSL2/2+ standards provide Internet transmission of up to 24Mbps downstream, 3.5Mbps upstream^1

Firewall protection, user access control, WPA/WPA2 security for protection against online threats

HIGH-SPEED INTERNET

The D-Link ADSL2+ Modem with Wireless N300 Router (DSL-2740B) is a versatile, high-performance router for your home or small office. With integrated ADSL2/2+ supporting up to 24Mbps download speed^1, firewall protection, Quality of Service (QoS), 802.11n wireless connectivity and 4 Ethernet switch ports, this router provides all the functions that a home or small office needs to establish a secure and high-speed remote link to the outside world.

ULTIMATE WIRELESS CONNECTION

The ADSL2+ Modem with Wireless N300 Router provides wireless speeds that are superior to 802.11g^2. Maximize wireless performance and stay connected from virtually anywhere at home or in the office. The DSL-2740B supports WPA™/WPA2™ and WEP data encryption methods for flexible user access security.

FIREWALL PROTECTION & QoS

Security features prevent unauthorized access to the home and office network from wireless devices or from the Internet. The ADSL2+ Modem with Wireless N300 Router provides firewall security, such as Stateful Packet Inspection (SPI) and hacker attack logging. SPI inspects the contents of incoming packets before they are allowed in, while hacker logging helps to protect your network against Denial of Service (DoS) attacks. For Quality of Service (QoS), the router prioritizes traffic to enable a group of home or office users to enjoy the benefit of a smooth network connection without concern of traffic congestion.

COMPATIBILITY ASSURANCE

The ADSL2+ Modem with Wireless N300 Router is backward compatible with existing 802.11b and 802.11g wireless equipment, ensuring compatibility with a wide range of wireless devices. In addition, this router includes four Ethernet ports ready for you to connect Ethernet-enabled PCs, print servers and other devices.

D-Link®

WHAT THIS PRODUCT DOES

This ADSL2+ Modem with Wireless N300 Router connects a group of users to the Internet, allowing multiple computers at home or office to share an integrated high-speed ADSL2+ interface. It provides high-performance wireless N access for wireless networked computers, has 4 built-in Ethernet ports, firewall protection and QoS for smooth and secure download/upload of photos, files, music, video and e-mail over the Internet.

GET HIGH ADSL AND WIRELESS PERFORMANCE

With your ADSL connection of up to 24Mbps downstream[1] and 3.5Mbps upstream[1] you can watch TV, listen to live music, broadcast on the Internet, and experience clear Internet phone calls without any lag. Built-in high performance Wireless N[2] means that you don't have to compromise high-speed ADSL transmission with wireless speed constraints. Smooth streaming multimedia and VoIP voice are now possible anywhere at home or in the office.

TECHNICAL SPECIFICATIONS

DEVICE INTERFACES
+ RJ-11 ADSL port
+ 4 RJ-45 10/100BASE-TX Ethernet ports 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/L/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

ROUTER FEATURES & NETWORK PROTOCOLS
+ Ethernet to ADSL Self-Learning Transparent Bridging
+ Internet Control Message Protocol (ICMP)
+ Network Address Translation (NAT), IP Static Routing, Routing Information Protocol (RIPv1, RIPv2)
+ Virtual Server, Port Forwarding
+ NAT ALGs: MSN/AOL/Yahoo Messenger, FTP, CUSEEME, Real Audio, MIRC, SIP, ICQ, games, SNMP
+ Dynamic Host Configuration Protocol (DHCP); DHCP server, client, and relay
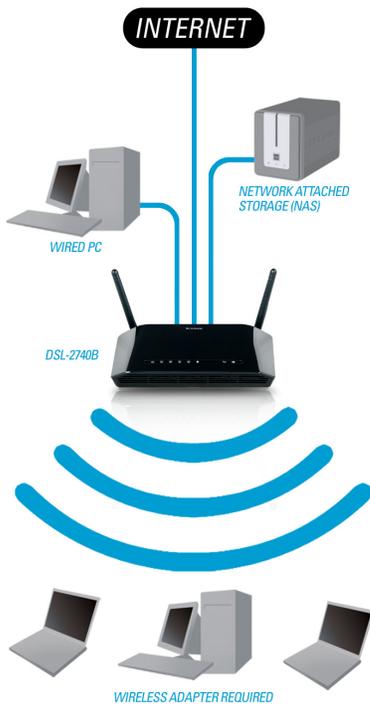+ SNTP, DNS Relay, DDNS proxy and IGMP proxy (v1/v2/v3)
+ Supports IPv6

FIREWALL /ACCESS SECURITY
+ Built-in NAT firewall
+ MAC Filtering
+ Packet Filtering
+ Stateful Packet Inspection (SPI)
+ Denial of Service prevention (DoS)
+ Intrusion Detection and Prevention System/Log
+ User Authentication PAP
+ User Authentication CHAP
+ DMZ

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

BROADBAND

YOUR NETWORK SETUP

INTERNET

NETWORK ATTACHED STORAGE (NAS)

WIRED PC

DSL-2740B

WIRELESS ADAPTER REQUIRED

TECHNICAL SPECIFICATIONS

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)

QUALITY OF SERVICE
+ Traffic Prioritization/Classification
+ Port-based priority
+ 802.1p/q (0-7) priority
+ DiffServ-Codepoint IPQoS (TOS)
+ Application port-based priority
+ 3 priority queues per PVC
+ Traffic Shaping
+ PVC/VLAN
+ IGMP v2 Snooping

WIRELESS
+ 802.11b/g/n standards
+ Wireless speed: Up to 54Mbps[1] (802.11g), 300Mbps[1] (802.11n)
+ Frequency range: 2.4 GHz to 2.484 GHz
+ Multi-SSID
+ MAC address ACL
+ AES-CCM/CCMP engine
+ 64/128-bit WEP
+ WPA™-PSK/WPA2™-PSK (Personal/Mixed Mode)
+ WPS
+ 802.1x RADIUS
+ EAP
+ 802.11e WLAN QoS/WLAN scheduling

POWER
+ Input: 100-240 VAC, 50/60 Hz
+ Output: 12v DC, 1A
+ Power switch
+ Factory reset button

DIMENSIONS
+ 7.19" x 5.03" x 1.25"(182.8 x 127.8 x 32mm)

OPERATING TEMPERATURE
+ 32° to 104° F (0° to 40° C)

STORAGE TEMPERATURE
+ -4 ° to 149° F (-20° to 70° C)

OPERATING HUMIDITY
+ 5% to 95% Non-Condensing

CERTIFICATIONS
+ FCC Part 15 Class B / CE / CSA

WARRANTY
+ 1 Year Limited[3]

[1] ADSL speeds may vary depending on your individual contract with or services offered by your Internet Service Provider (ISP) and the distance of the modem from the ISP's DSLAM.
[2] Maximum wireless signal rate derived from IEEE Standard 802.11 specifications. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead, lower actual data throughput rate. Environmental factors will adversely affect wireless signal range. Wireless range and speed rates are D-Link RELATIVE performance measurements based on the wireless range and speed rates of a standard Wireless G product from D-Link. Maximum throughput based on D-Link Wireless N devices.
[3] 1-Year Limited warranty available only in the USA and Canada
[4] Latest software and documentation are available at http://support.dlink.com.

All references to speed and range are for comparison purposes only. Product specifications, size, and shape are subject to change without notice, and actual product appearance may differ from that depicted herein.

BROADBAND

MINIMUM SYSTEM REQUIREMENTS
+ Subscription with a DSL Internet Service Provider (ISP)
+ Computer with a network interface card

PACKAGE CONTENTS
+ ADSL2+ Modem with Wireless N300 Router
+ Telephone Cable (RJ-11)
+ CAT5 Ethernet Cable (RJ-45)
+ Power Adapter
+ Quick Install Guide
+ CD-ROM[4] with
  - Installation Wizard
  - Product Documentation