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D-Link DSL-2740B 802.11 Wireless Modem Router

D-Link DSL-2740B 802.11 Wireless Modem Router Specifications And Datasheet

Contents

D-Link

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Description

For homes and small offices, the D-Link DSL-2740B is a flexible 802.11 wireless modem router with networking capabilities and fast internet connection. With 802.11n wireless technology built right in, it provides dependable and quick wireless connections for several devices. It offers a smooth internet connection thanks to its integrated ADSL2+ modem, giving it a one-stop shop for online gaming, streaming media, and web browsing.

Your network will be safe from any threats and illegal access thanks to the built-in firewall and WPA/WPA2 encryption supported by this modem router. Quality of Service (QoS) is another feature that the D-Link DSL-2740B provides to effectively prioritize and manage network traffic.

- **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 offi ce. With integrated ADSL2/2+ supporting up to 24Mbps download speed1, fi rewall 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 offi ce 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 802.11g2. Maximize wireless performance and stay connected from virtually anywhere at home or in the offi ce. The DSL-2740B supports WPA™/WPA2™ and WEP data encryption methods for fl exible user access security.

- **FIREWALL PROTECTION & QoS**

  Security features prevent unauthorized access to the home and offi ce network from wireless devices or from the Internet. The ADSL2+ Modem with Wireless N300 Router provides fi rewall 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 traffi c to enable a group of home or offi ce users to enjoy the benefi t of a smooth network connection without concern of traffi c 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.

Highlight

- Wireless N technology for up to 300Mbps2 wireless connection, compatible with Wireless G devices
- Latest ADSL2/2+ standards provide Internet transmission of up to 24Mbps downstream, 3.5Mbps upstream1
- Firewall protection, user access control, WPA/WPA2 security for protection against online threats

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 offi ce 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, fi rewall protection and QoS for smooth and secure download/upload of photos, fi les, music, video and e-mail over the Internet.

GET HIGH ADSL AND WIRELESS PERFORMANCE
With your ADSL connection of up to 24Mbps downstream1 and 3.5Mbps upstream1 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 N2 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 Confi guration Protocol (DHCP); DHCP server, client, and relay
- SNTP, DNS Relay, DDNS proxy and IGMP proxy (v1/v2/v3)

FIREWALL /ACCESS SECURITY

- Built-in NAT fi rewall
- 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

CONFIGURATION/MANAGEMENT

- Web-based GUI confi guration
- 3-level login control for local/remote management
- Firmware upgraded, confi guration data uploaded and downloaded via Webbased GUI

- TFTP for fi rmware, confi guration files and image files upgrade and download
- TFTP server and client
- Code Lock to prevent from improper fi rmware upgrade through UI, TFTP, and TR-069
- 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/Classifi cation
- Port-based priority
- 802.1p/q (0-7) priority
- DiffServ-Codepoint IPQoS (TOS)
- Application port-based priority
- 3 priority queues per PVC
- Traffi c Shaping
- PVC/VLAN
- IGMP v2 Snooping

WIRELESS

- 802.11b/g/n standards
- **Wireless speed:** Up to 54Mbps1 (802.11g), 300Mbps1 (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 Limited3

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 specifi cations. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffi c, 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**.

Trademarks

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-ROM4 with
    - Installation Wizard
    - Product Documentation

YOUR NETWORK SETUP

FAQs

What is the D-Link DSL-2740B router?

The D-Link DSL-2740B is a 802.11 Wireless Modem Router designed to provide internet connectivity and wireless networking capabilities.

What is the main purpose of the DSL-2740B router?

The main purpose of the DSL-2740B router is to serve as a central networking device that offers both wired and wireless internet connectivity for home and small office environments.

What wireless standard does the DSL-2740B support?

The DSL-2740B typically supports the 802.11b/g wireless standards, providing wireless connectivity for your devices.

Can I use the DSL-2740B with DSL (Digital Subscriber Line) internet connections?

Yes, the DSL-2740B is designed to work with DSL internet connections, making it suitable for homes and offices with DSL service.

Does this router have built-in ADSL modem functionality?

Yes, the DSL-2740B typically comes with a built-in ADSL modem, allowing it to directly connect to your DSL line without the need for an external modem.

What security features does the DSL-2740B offer?

The DSL-2740B includes a range of security features, such as firewall protection, WEP/WPA encryption, and MAC address filtering to secure your wireless network.

How many LAN ports does the router have?

The DSL-2740B router usually comes with multiple LAN ports (commonly four) to connect wired devices to your network.

Is the DSL-2740B rack-mountable?

No, the DSL-2740B is not rack-mountable. It is designed to be placed on a desktop or shelf.

Can I use the DSL-2740B as a Wi-Fi access point?

Yes, the DSL-2740B can function as a Wi-Fi access point, allowing it to extend wireless coverage in your home or office.

What kind of management features does the router provide?

The router usually offers web-based management features that allow you to configure and monitor your network settings and connected devices.

Is there a warranty for the DSL-2740B router?

The D-Link DSL-2740B router typically comes with a warranty of 1 year from the date of purchase.

Can I use the DSL-2740B router with cable internet service?

No, the DSL-2740B is specifically designed for DSL internet connections and may not work with cable internet service. You should check for compatibility with your specific ISP.

References: [D-Link DSL-2740B 802.11 Wireless Modem Router – Device.report](#)