



DESIGNED FOR
ADSL



WIRELESS G ADSL2+ MODEM ROUTER

HIGH-SPEED ADSL2/2+

Enjoy speeds of up to 24 Mbps downstream, and 1 Mbps upstream thanks to the latest ADSL2/2+ standards

ALL-IN-ONE SINGLE BOX SOLUTION

Built-in ADSL interface, 54 Mbps Wireless LAN, 4-port Ethernet Switch, QoS and Firewall protection, all in one single desktop box

TOTAL COMPATIBILITY & EASE OF USE

Compatible with all major Internet service providers, and supports UPnP for fast and simple installation



HIGH-PERFORMANCE INTERNET

The DSL-2642B Wireless G ADSL2+ Modem Router is an affordable, high-performance modem router for the home and small office. 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. Integrated ADSL2/2+ supports download speeds of up to 24 Mbps. 802.11g wireless LAN and an integrated 4-port switch allows multiple users to connect to the router at their convenience. Firewall protection keeps your network safe, while Quality of Service (QoS) features allow data to flow smoothly.

HIGH-SPEED NETWORKING FOR YOUR HOME OR SMALL OFFICE

As an affordable, high-performance ADSL router for home and SOHO users, the DSL-2642B offers the security and Quality of Service (QoS) features demanded by users in today's high-risk and versatile networking environment.

INTEGRATED WIRELESS LAN

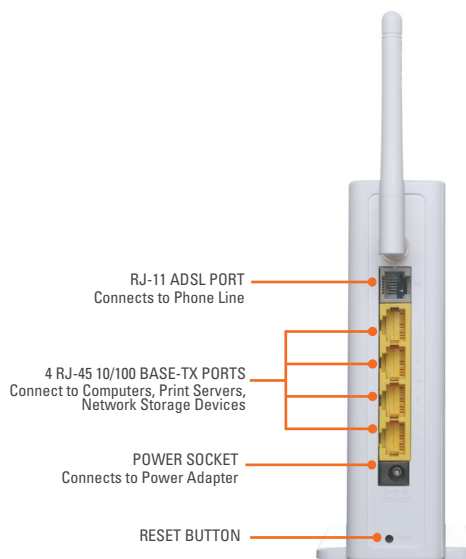
The DSL-2642B provides an integrated 802.11g WLAN interface supporting wireless speeds of up to 54 Mbps and interoperability with 802.11b wireless devices on the 2.4 GHz frequency band. It also provides four 10/100 Mbps Ethernet switch ports for ready workstations connection. These built-in functions save you the cost and trouble of installing a separate wireless access point and an Ethernet switch.

FIREWALL PROTECTION & QoS

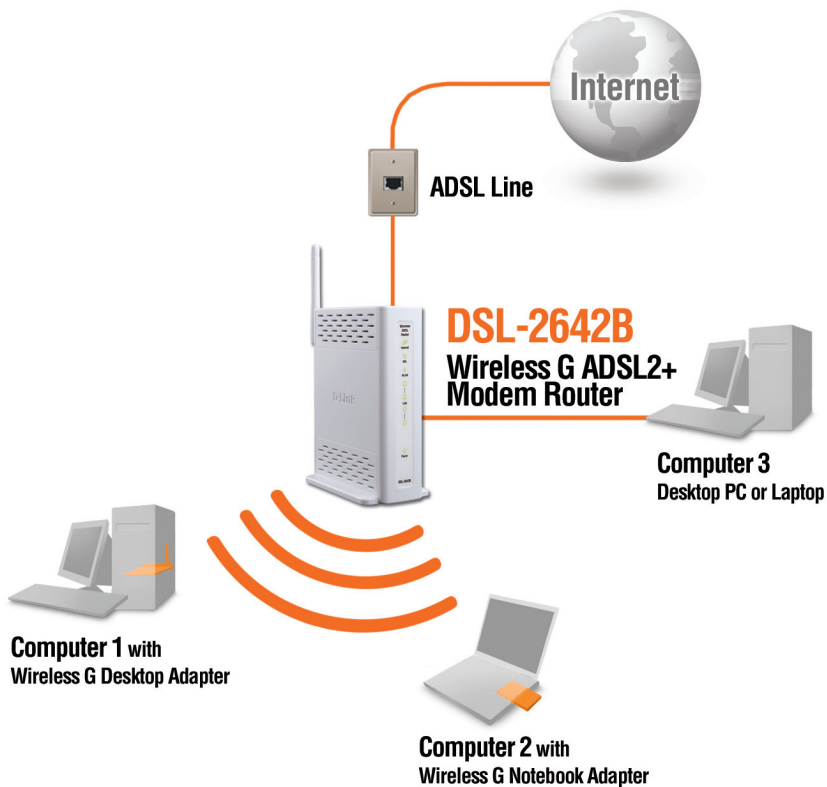
The DSL-2642B provides firewall security measures such as Stateful Packet Inspection (SPI) and attack logging. SPI inspects the contents of incoming packets before they are allowed onto the network, while intelligent logging helps to protect against Denial of Service (DoS) attacks. Priority queues ensure Quality of Service (QoS) by organizing and delivering network traffic based on its importance. QoS is especially valuable on networks where users depend upon Voice over IP (VoIP) applications and streaming multimedia.

WHAT THIS PRODUCT DOES

This wireless ADSL router connects to the Internet using an integrated high-speed ADSL2/2+ interface. Multiple computers can share the high-speed Internet connection. The router provides firewall protection and QoS for smooth online gaming, clear voice communication and fast downloads. Built-in 802.11g wireless LAN provides a dependable connection for wireless users, while 4 Ethernet ports provide a wired connection to computers via Ethernet cables.



YOUR NETWORK SETUP



ENJOY HIGH-SPEED ADSL

ADSL offers up to 24 Mbps downstream and 1 Mbps upstream. Watch TV, listen to live music, play games and experience clear Internet phone calls over the Internet. Provide smooth streaming multimedia and VoIP at home or in the office without the need for intrusive and unsightly network cables.

TECHNICAL SPECIFICATIONS

DEVICE INTERFACES

- 1 RJ-11 ADSL port
- 4 RJ-45 10/100BASE-TX Fast Ethernet LAN switch ports with auto MDI/MDIX
- Built-in 802.11g WLAN

WIRELESS LAN

- IEEE 802.11g standard
- Frequency range: 2.4 GHz to 2.484 GHz
- Wireless speed: up to 54 Mbps
- 64/128-bit WEP data encryption
- MAC-based ACL
- WPA/WPA2 security with TKIP, AES support
- WPS support (optional)

ADSL STANDARDS

- ADSL: 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: 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: 8 Mbps downstream, 832 Kbps upstream
- G.lite: 1.5 Mbps downstream, 512 Kbps upstream
- ADSL2: 12 Mbps downstream, 1 Mbps upstream
- ADSL2+: 24 Mbps downstream, 1 Mbps upstream

ATM & PPP PROTOCOLS

- Multiple protocol encapsulation over AAL5
- Bridged and routed Ethernet encapsulation
- Logical Link Control (LLC) encapsulation
- VC-based multiplexing
- ATM Forum UNI3.1/4.0 PVC
- ATM Adaptation Layer Type 5 (AAL5)
- ITU-T I.610 OAM F4/F5 loopback
- ATM QoS (Traffic Shaping)
- PPP over ATM
- PPP over Ethernet

NETWORK PROTOCOLS AND FEATURES

- IP Static Routing
- RIP
- NAT
- Virtual Server, Port Forwarding
- DHCP server/client/relay
- DNS Relay, DDNS
- IGMP proxy
- SNTP

FIREWALL/ACCESS SECURITY

- NAT firewall
- MAC Filtering
- Packet Filtering (IP/ICMP/TCP/UDP)
- Stateful Packet Inspection (SPI)
- Denial of Service (DoS) prevention
- Intrusion Detection System and logging
- DMZ

VPN

- Multiple IPSec/PPTP/L2TP pass-through

QoS

- Traffic Prioritization/Classification based on:
 - Port
 - 802.1p Priority Queues
 - Application port
 - User-defined (TCP/UDP/ICMP etc.)
- 3 priority queues per PVC
- PVC/VLAN port mapping
- IGMP v.2 snooping

CONFIGURATION/MANAGEMENT

- Quick Installation Wizard
- Web-based GUI
- Web-based/TFTP firmware upgrade, configuration up/download
- UPnP
- SNMP v1, v2c, built-in MIB-I, MIB-II agent
- TR-069 compliant (optional)
- Factory reset button

DIAGNOSTIC LEDS

- Power
- DSL
- WLAN
- LAN 1 to LAN 4
- Internet

POWER

- Power input: 12 V DC/0.8 A switching power adapter
- Dying Gasp support (optional)

DIMENSIONS (L x W x H)

- 108 x 39 x 142 mm

WEIGHT

- 258.5 g (0.57 lb)

OPERATING TEMPERATURE

- 0 °C to 40 °C (32 °F to 104 °F)

STORAGE TEMPERATURE

- -20 °C to 65 °C (-4 °F to 149 °F)

OPERATING HUMIDITY

- 5% to 95% non-condensing

CERTIFICATIONS

- A-TICK
- C-TICK
- RoHS



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