D-Link®

Wireless N 150 ADSL2+ Modem Router

HIGH-SPEED CONNECTION ADSL2+/ADSL2/ADSL, Fast Ethernet	**802.11N** Faster rate and superior wireless range	**SECURITY** Multiple firewall functions

ADSL Port and 4-port Switch

The router is equipped with an ADSL port to connect to an ADSL line. The built-in 4-port switch enables you to connect Ethernet-enabled computers, game consoles, and other devices to your network. In addition, any Ethernet port of the device can be used to connect to a private Ethernet line.

Security

The wireless router DSL-2640U includes a built-in firewall. The advanced security functions minimize threats of hacker attacks, prevent unwanted intrusions to your network, and block access to unwanted websites for users of your LAN.

Wireless Interface

You are able to quickly create a wireless network at home or in your office, which lets your relatives or employees connect to your wireless network virtually anywhere (within the operational range of your wireless network). The router can operate as a base station for connecting wireless devices of the standards 802.11b, 802.11g, and 802.11n.

The router supports multiple functions for the wireless interface: several security standards (WEP, WPA/WPA2), MAC address filtering, and the WPS function.

Configuration and Management

You can configure and manage the settings of the router DSL-2640U via the user-friendly web-based interface (the interface is available in several languages).

DSL-2640U
Specifications

Hardware

Interfaces

- ADSL: 1 RJ-11 port
- LAN: 4 RJ-45 10/100BASE-TX Fast Ethernet ports with auto-MDI/MDIX
- WLAN: built-in 802.11b, g, and n wireless interface

Frequency Range

- 2412 ~ 2484MHz

Wireless Data Rate

- 802.11b: 11, 5.5, 2, 1Mbps
- 802.11g: 54, 48, 36, 24, 18, 12, 9, 6Mbps
- 802.11n
  - HT20: 150, 130, 117, 104, 78, 52, 39, 26, 13Mbps
  - HT40: 150, 130, 117, 104, 78, 52, 39, 26, 13Mbps

Transmitter Output Power

- 802.11b
  - 16.5 ~ 18.5dBm
- 802.11g
  - 13.5 ~ 16.5dBm
- 802.11n
  - 13.5 ~ 16.5dBm

Modulation Schemes

- 802.11b: CCK (11, 5.5Mbps), DQPSK (2Mbps), DBPSK (1Mbps), DSSS
- 802.11g: PSK/CCK, DBPSK, DQPSK, OFDM, BPSK, QPSK, 64QAM, 16QAM
- 802.11n: PSK/CCK, DBPSK, DQPSK, OFDM, etc.

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

Software

WAN Connection Types

- ADSL
  - PPPoE
  - PPPoA
  - IPoA
  - Static IP
  - Dynamic IP
  - Bridge
- Ethernet
  - PPPoE
  - Static IP
  - Dynamic IP
  - Bridge

Wireless Network

- IEEE 802.11n standard, IEEE 802.11b/g compliant
- Support of guest wireless network
- WEP data encryption
- WPA/WPA2 security supporting TKIP, AES and TKIP+AES
- MAC-based access to wireless network
- PIN and PBC methods of WPS
- Advanced settings

ATM/PPP Protocols

- Bridged and routed Ethernet encapsulation
- VC-based or LLC-based multiplexing
- ATM Forum UNI3.1/4.0 PVC (up to 8 PVCs)
- ATM Adaptation Layer Type 5 (AAL5)
- ITU-T I.610 OAM F4/F5 loopback
- ATM QoS
- PPP over ATM (RFC 2364)
- PPP over Ethernet (PPPoE)
- Keep-alive for PPP connections

DSL-2640U
Specifications

Network Protocols and Functions

- Additional IP address for LAN interface
- Static IP routing
- NAT (*Network Address Translation*)
- DHCP server/client/relay
- DNS relay
- DDNS
- Support of VLAN
- IGMP proxy
- IGMP snooping

Firewall and Access Management Functions

- Network Address Translation (NAT)
- Stateful Packet Inspection (SPI)
- MAC filtering based on time of day and day of week
- URL filter
- Packet filtering (IP/ICMP/TCP/UDP)
- Virtual servers
- Prevention of DoS attacks
- Intrusion detection system
- DMZ
- Port Triggering

QoS

- Interface grouping
- VLAN priority (802.1p)

Configuration and Management

- Multilingual web-based interface for configuration and management
- Access via TELNET
- Firmware update via web-based interface
- Saving/restoring configuration to/from file
- Support of remote logging
- Automatic synchronization of system time with NTP server and manual time/date setup

Physical and Environmental

LEDs

- POWER
- DSL
- INTERNET
- WLAN
- LAN 1-4
- WPS

Power

- External power adapter DC 12V/0.5A
- ON/OFF power switch
- Reset to Factory Defaults button
- WPS/WLAN button

Operating Temperature

- From 0 to 40 °C (from 32 to 104 °F)

Storage Temperature

- From -20 to 70 °C (from -4 to 158 °F)

Humidity

- From 5% to 95% non-condensing

Ordering Information

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Web:
http://www.dlink.com/corporate/worldwideoffices/