D-Link®
Building Networks for People

Wireless ADSL Router
With Firewall Protection/QoS Control

- Integrated ADSL, 802.11g Wireless LAN & 4-Port Switch
- High-Speed ADSL2/2+ Connection
- DoS & SPI Firewall Protection
- QoS & SNMP Management Support

FEATURES

Wireless ADSL Router
- Built-in ADSL Interface
- Built-in 802.11g WLAN Up to 54Mbps Speed
- Integrated 4-Port Ethernet Switch

High-Speed ADSL Access
- ADSL: G.992.1 (G.dmt), G.992.2 (G.lite) Annex A, G.994.1 (G.hs), Multi-mode, ANSI T1.413 Issue 2
- ADSL2: G.992.3 (G.dmt.bis) Annex A/L/M, G.992.4 (G.lite.bis) Annex A
- ADSL2+: G.992.5 Annex A/L/M

Firewall/Access Security
- DoS Attack Prevention
- Stateful Packet Inspection (SPI)
- IP/MAC-Based Packet Filtering
- Port-Based VLAN

QoS/Bandwidth Control
- Traffic Prioritization With 4 Priority Queues
- IGMP Snooping Multicast

Easy Setup/Flexible Management
- Dynamic Domain Name System (DDNS)
- Universal Plug and Play (UPnP) Compliant
- Quick Installation Wizard
- Web-Based GUI for Local/Remote Management
- SNMP Management

Remote Management
- TR-069 (optional)

The DSL-2640T wireless ADSL router is a versatile, high-speed remote router for home and the small office. With integrated ADSL2/2+ supporting up to 24Mbps download speed, firewall protection, Quality of Service (QoS), 802.11g wireless LAN 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.

High-Speed ADSL Connection. The DSL-2640T features the latest ADSL2/ADSL2+ standards, providing speeds of up to 24Mbps downstream and 1Mbps upstream (ADSL2+), or 12Mbps downstream and 1Mbps upstream (ADSL2). This router auto-senses the connection type and auto-negotiates the best modulation scheme, using the G.hs (handshake) protocol.

Ready Wireless LAN & Ethernet Connection for Workgroup. The DSL-2640T provides an integrated 802.11g WLAN interface supporting wireless speeds of up to 54Mbps and interoperability with 802.11b wireless devices on the 2.4GHz frequency band. It also provides four 10/100Mbps 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. The router provides firewall security using Stateful Packet Inspection (SPI) and hacker attack logging for Denial of Service (DoS) attack protection. SPI inspects the contents of all incoming packet headers before deciding what packets are allowed to pass through. Access control is provided with packet filtering based on port and source/destination MAC/IP addresses. With Virtual Server Mapping, the router can be set to allow separate FTP, Web, and multiple games to share the same Internet-visible IP address while still protecting your servers and workstations from hackers. You can configure any of the built-in LAN ports of the router to function as a DMZ port. VPN pass-through is provided to let mobile users access files and mail from offices to work at home without having to use complex VPN client software.

Quality of Service Features. The DSL-2640T supports 4 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 you to enjoy high ADSL transmission for applications such as VoIP, multimedia and on-line games over the Internet.

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Technical Specifications

Hardware

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

Wireless LAN
- IEEE 802.11g standard
- Wireless speed: up to 54Mbps
- Frequency range: 2.4 GHz to 2.484G Hz
- 64/128 bits WEP data encryption
- WPA (Wi-Fi Protected Access), WPA2 security
- WDS (Point-to-Point and Point-to-Multi-point Wireless Bridging)
- 802.11e Wireless QoS (WMM/WME)

ADSL

Standards
- ADSL standards: Multi-mode, ANSI T1.413 Issue 2, ITU G.992.1 (G.dmt) Annex A, ITU G.992.2 (G.lite) Annex A, ITU G.994.1 (G.hs)
- ADSL2 standards: ITU G.992.3 (G.dmt.bis) Annex A/L/M, ITU G.992.4 (G.lite.bis) Annex A
- ADSL2+ standards: ITU G.992.5 Annex A/L/M

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

ATM & PPP Protocols
- ATM Adaptation Layer Type 5 (AAL5)
- Bridged or routed Ethernet encapsulation
- VC and LLC based multiplexing
- PPP over Ethernet (PPPoE)
- PPP over ATM (RFC 2364)
- Classical IP over ATM (RFC 1577)
- OAM F4/F5

Router

Network Protocols & Features
- NAT, Static Routing, RIP v.1, v.2
- Universal Plug and Play (UPnP) Compliant
- Dynamic Domain Name System (DDNS)
- Virtual Server & DMZ
- SNTP, DNS proxy and IGMP proxy

Firewall/Access Security
- Built-in NAT firewall
- Stateful Packet Inspection (SPI)
- DoS attacks prevention (IP Spoofing, Land Attack, Smurf Attack, Ping of Death, TCP SYN flooding)
- Packet filtering based on port, source IP address, destination IP address, MAC address (ICMP/TCP/UDP)

Virtual Private Network (VPN)
PPTP/IPSec pass-through

Configuration/Management
- Quick Installation Wizard
- Web-based GUI for remote/local management
- Firmware upgrade, configuration data upload/download via Web-based GUI

- Telnet server for remote/local management
- Syslog monitoring
- SNMP v.1, v.2c support with built-in MIB-II (RFC 1213)
- DHCP server/client/relay

QoS Control
- LAN to WAN traffic prioritization/bandwidth management
- 802.1p traffic prioritization (4 queues)

Security/Bandwidth Management
- IGMP Snooping with 32 Multicast groups
- PVC/VLAN port mapping (4 VLANs)
- Bandwidth management based-on IP protocol, port number, MAC address

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Physical & Environmental

Power Input
Through 12VAC 1.2A external power adapter

Dimensions
142 x 109 x 31 mm

Weight
239.4 grams

Operating Temperature
0° to 40℃

Storage Temperature
-20° to 70℃

Operating Humidity
5% to 95% non-condensing

Emission (EMC/EMI)
- FCC Part 15 Class B
- CE (EN55022/EN55024/EN300 328/EN301 489)

Safety
- CSA
- LVD

Wi-Fi Certification

D-Link Worldwide Offices

DSL-2640T