



ADSL Annex B/Ethernet Router with Built-in Switch

HIGH-SPEED CONNECTION

ADSL/ADSL2/ADSL2+,
Fast Ethernet

ALL-IN-ONE SOLUTION

ADSL interface, built-in
switch, QoS, and firewall

COMPATIBILITY AND OPERABILITY

Easy configuration and
management through
web-based interface

Moderate-priced Solution for High-speed Connection for SOHO Business

DSL-2540U provides all the essentials for creating a secure high-speed wired network: ADSL/ADSL2/ADSL2+ standards, Fast Ethernet standard, the built-in firewall, the QoS engine, and numerous additional features.

Security

The router includes a 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.

ADSL Port and 4-port Switch

The router is equipped with an ADSL port to connect to an ADSL line and 4 Ethernet ports to connect workstations. Due to this feature, DSL-2540U represents a moderate-priced solution for creating wired networks without an additional switch. In addition, any Ethernet port of the device can be used to connect to a private Ethernet line.

Configuration and Management

You can configure and manage the settings of the router DSL-2540U via the user-friendly web-based interface (the interface is available in several languages).

DSL-2540U

Specifications

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Hardware

Interfaces:

- ADSL: 1 RJ-11 port
- LAN: 4 RJ-45 10/100BASE-TX Fast Ethernet ports with auto-MDI/MDIX.

ADSL Standards:

- ADSL:
 - ANSI T1.413-1998 Issue 2; ITU-T G.992.1 (G.dmt) Annex B, ITU-T G.992.2 (G.lite) Annex B.
- ADSL2:
 - ITU-T G.992.3 Annex B.
- ADSL2+:
 - ITU-T G.992.5 Annex B.

Software

WAN Connection Types:

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

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.

Network Protocols and Functions:

- Static IP routing
- NAT (Network Address Translation)
- DHCP server/client/relay
- DNS relay
- DDNS
- UPnP
- Support of VLAN
- IGMP proxy.

Firewall and Access Management Functions:

- Network Address Translation (NAT)
- Stateful Packet Inspection (SPI)
- URL filter
- Packet filtering (IP/ICMP/TCP/UDP)
- Virtual servers
- Prevention of DoS attacks
- Intrusion detection system
- DMZ
- Port Triggering.

QoS:

- Interface grouping
- 3 priority queues.

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.

Physical and Environmental

LEDs:

- Power
- Status
- 4 LAN LEDs
- DSL
- Internet.

Power:

- External power adapter DC 12V/0.5A
- ON/OFF power switch
- RESET to Factory Defaults button.

Ordering Information

DSL-2540U

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Web:

<http://www.dlink.com/corporate/worldwideoffices/>