

## Cable/DSL Router

### For Home & SOHO

- **Advanced Firewall & Parental Control**
- **Quality of Service for Connected Computers**
- **Built-in 4-Port Switch**
- **Integrated USB Print Server**

#### FEATURES

##### WAN/LAN Interfaces

- 10/100BASE-TX Ethernet Port Connection to DSL/Cable Modem
- Supports PPPoE Dial-Up Mode
- Integrated 4-Port Switch (4 10/100BASE-TX Ethernet Ports)

##### Firewall/Access Security

- IP/MAC-Based Packet Filtering
- Port-Based VLAN
- URL Filtering/Domain Blocking
- Schedule-Based Access Restriction

##### Quality of Service

- Traffic Prioritization With 4 Priority Queues
- Multicast Stream

##### Print Server

- USB Printer Port
- Operates in Windows, Unix, Mac OS Environments

##### Easy Setup/Flexible Management

- Dynamic Domain Name System (DDNS)
- Universal Plug and Play (UPnP) Compliant
- Quick Installation Wizard (D-Link Click'n Connect)
- Web-Based GUI for Local/Remote Management
- Network Time Protocol Support

**Express Ethernet™**

The DI-604UP is an advanced but affordable remote router designed to let a group of users share a broadband Internet connection through a DSL or cable modem. It combines firewall protection with versatile functions such as Quality of Service and integrated USB print server. Easy to set up and operate, this router is ideal for users creating their first home or office networks, as well as for more advanced users looking for additional features.

*QoS Internet Connection for a Group of Users.* The DI-604UP supports priority queues to enable a group of users to experience the benefit of smooth network connection of inbound and outbound data without concern of traffic congestion. This QoS support allows users to enjoy high broadband transmission for applications such as VoIP, multimedia and on-line games over the Internet. 4 built-in 10/100Mbps switch ports provide ready connection for workstations and servers, while saving you the cost and trouble of installing a separate Ethernet switch.

*Network Security.* 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. Parental control allows you to filter out undesired URL web sites, block domains and control the time of day of the use of Internet through scheduling. 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.

*Integrated USB Print Server.* A USB printer port and integrated print server function allow you to share out a USB printer. Users can send out web pages and files to the printer for printing. The print server supports TCP/IP, Line Printer Daemon Protocol, Microsoft Windows, Unix and Mac OS.

*UPnP Enabled.* The DI-604UP is designed for easy and robust connectivity among heterogeneous standards-based network devices. Computers can communicate directly with this router for automatic opening and closing of UDP/TCP ports to take full advantage of security provided without sacrificing functionality of on-line applications.



## Product Specifications

### WAN Interface

- 10/100BASE-TX Ethernet port
- Supports DSL and cable modem connection
- Supports "Always-on" (bridged) and PPPoE for PPP connection on demand

### LAN Interface

- 4 10/100BASE-TX Ethernet ports
- All ports support auto MDI/MDIX
- All ports support 802.3x Flow Control (full-duplex) and back pressure (half-duplex)

### VPN Support

- PPTP pass-through
- IPSec pass-through
- L2TP pass-through

### Internet Gateway Functions

- Network Address Translation (NAT)
- DHCP server (for automatic IP assignment)

### Number of Virtual Server Mappings

10 entries

### User Access Control

- MAC address filtering
- IP address filtering

### Firewall

- Packet filtering
- Ping of Death
- IP spoofing
- Intrusion detection
- Network access rules
- Log file of security events

### Parental Control

- URL filtering
- Domain blocking
- Scheduling

### Quality of Service

- Maximum number of priority queues: 4
- Multicast stream (Internet Group Management Protocol)

### Print Server

- USB 1.1 Type A port
- Printing protocols: TCP/IP, Line Printer Daemon Protocol
- Supported platforms: Windows 95, 98, ME, 2000, XP, NT, Unix LPR, Mac OS

### RFC Support

- RFC 0768 User Datagram Protocol
- RFC 0791 Internet Protocol
- RFC 0792 Internet Control Message Protocol
- RFC 0793 Transmission Control Protocol

- RFC 0821 Simple Mail Transfer Protocol
- RFC 0826 Ethernet Address Resolution Protocol
- RFC 1112 Internet Group Management Protocol v.3
- RFC 1157 Simple Network Management Protocol
- RFC 1332 PPP Internet Control Protocol
- RFC 1514 Dynamic Host Configuration Protocol
- RFC 1631 IP Network Address Translator
- RFC 1661 Point-to-Point Protocol (PPP)
- RFC 1945 Hypertext Transfer Protocol HTTP/1.1 (subset)
- RFC 1994 PPP Challenge Handshake Authentication Protocol (CHAP)
- RFC 2132 DHCP Options and BOOTP vendor Extensions
- RFC 2516 PPP Over Ethernet (PPPoE)

### Configuration & Management

- Quick Installation Wizard (D-Link Click'n Connect)
- Web-based using Internet Explorer v.6 or Netscape Navigator v.7 or other Java-enabled browsers
- Dynamic Domain Name System (DDNS)
- Universal Plug and Play (UPnP) Compliant
- Network Time Protocol (NTP) Support

### Firmware Upgrade

HTTP (through web browser)

## Physical & Environmental

### Diagnostic LEDs

- Power/Status
- WAN (Link/Activity)
- 1, 2, 3, 4 LAN ports (Link/Activity)
- USB printer

### Power Input

- DC 5V 2.0A
- Through external power adapter

### Dimensions

142 x 108 x 31 mm

### Weight

214 grams

### Operating Temperature

0 ° to 55°C

### Storage Temperature

-25° C to 55°C

### Operating Humidity

10% to 95 % non-condensing

### Storage Humidity

5% to 95% non-condensing

### EMI Certification

- FCC Class B
- CE
- C-Tick

### Safety Certification

UL



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