D-Link®

Express EtherNetwork™

———— DI-808HV

Cable/DSL VPN Router With Built-in 8-Port Switch

The DI-808HV is a high-performance broadband router with secure data transmission designed for branch office communication. Cost-effectively linking an office to the outside world through the Internet, this router offers an alternative to the cost-prohibitive point-to-point dedicated connectivity of leased lines. This router provides IPSec security for Virtual Private Network applications, enabling you to extend your branch network to remote networks, such as your corporate office or a trusted supplier, to act as if the two are a single LAN.

Secure Transmission Over the Internet
The DI-808HV prevents your confidential data from being accessed and tampered with when traveling along the public Internet to your destinations. VPN services include pass-through of multiple concurrent IPSec and PPTP VPN sessions for telecommuters to transmit sensitive information. Through VPN tunneling protocols, the router can privatize your communication channels. You can safely exchange mail and data with your head office over the Internet, without fear of observation, modification, or spoofing.

IPSec and Multi-Level VPN Services
With support for up to 40 IPSec tunnels, the router can provide flexible VPN implementation for data confidentiality, integrity and origin authentication to 40 remote sites and telecommuters. Supported data encapsulation, encryption and authentication options include IP ESP, DES, 3DES, MD5 and SHA-1. This enables you to carry out applications such as virtual private networks, including Intranets, Extranets, and remote user access.

Hardware Acceleration
The router uses a special design ASIC to perform VPN encryption and decryption. This off-loads CPU loading through hardware-based acceleration.

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. Filters can be set based on MAC address, IP address, URL and/or domain name.

Virtual Server and DMZ Support
The router also blocks and re-directs certain ports to limit the services that outside users can access on your network. Virtual Server Mapping is used to re-task services to multiple servers. The router can be set to allow separate FTP, Web, and Multiplayer game servers 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. A DMZ setting can be applied to a single client (such as a Web server) behind the DI-808V to fully expose it to the Internet and ensure complete Internet application compatibility even if the specific port is not known. This allows you to set up web sites and e-commerce applications from your office while maintaining protection for the rest of your office LAN.

8 Switch Ports for Ready LAN Connection
With 8 built-in Ethernet switch ports supporting 10/100Mbps network speeds and auto MDI/MDIX plug-and-play, the router provides ready connection for workstations and servers, saving you the cost and trouble of installing a separate LAN switch.

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

Key Features

- 168-bit 3DES IPSec advanced VPN security
- 3DES with SHA-1 advanced secure configuration
- Up to 40 VPN tunnels to 40 remote sites
- DoS, SPI, packet filtering firewall protection
- 10/100BASE-TX port for DSL/cable modem connection
- Additional RS-232 COM port for ISDN or 56Kbps analog modem backup supporting dial-on-demand & idle timer auto-disconnection

- 8 10/100BASE-TX switch ports for 8 workstation/server connections
- Aggressive/main client mold for VPN
- Web-based configuration setup
- Enabled NetBIOS broadcast
- Dynamic DNS support
- SDI Service (Home Internet Solution) port
- Universal Plug-n-Play (UPnP) enabled

Technical Specifications

Hardware

WAN Ports
- 1 10/100BASE-TX port for DSL/cable modem connection
- 1 RS-232 port (460Kbps Baud) for ISDN TA/analog modem connection (for WAN backup)

LAN Ports
- 8 10/100BASE-TX switch ports with auto MDI/MDIX support

Broadband Support
- DSL modem
- Cable modem
- PPP over Ethernet (PPPoE)

Backup Link Support
- Dial-up ISDN TA
- Dial-up Analog modem
- PPP
- Dial-on-Demand with auto login to ISP
- Auto-disconnect with user-defined idle timer
- PAP/CHAP security

Diagnostic LEDs
- Power
- Status
- WAN Port (Link/Act)
- COM Port
- 8 LAN Ports (Link/Act)

Routing

Routed Packet Type
IP packets

Routing Protocols & Methods
- RIP-1, RIP-2
- Static Routing
- Dynamic Routing

VPN & IPSec

Application Support
- IPSec pass-through
- PPPTP pass-through
- L2TP pass-through

Data Encryption Methods
- IP ESP (Encapsulating Security Payload)
  Confidentiality over IP payload
  Optional authentication of IP payload and ESP header
- Null encryption

Encryption Transforms
- 56-bit DES (Data Encryption Standard)
- 168-bit 3DES

Authentication Transforms (for ESP and AH)
- MD5
- SHA-1

Security
- Pre-shared key
- Manual key
- IKE Security Association (SA) assignment

Connection Modes
- Site to Site
- Client to Site

Number of Tunnels
40 IPSec tunnels (max.)

Internet Gateway & Firewall

Supported Functions
- Network Address Translation (NAT)
- DHCP server automatic IP assignment
- Virtual server

Packet Inspection
Static Packet Inspection (SPI)

Number of DMZ Ports
1 port (user-assignable to any LAN port)

Firewall Security
- Stateful Packet Inspection (SPI) to prevent Denial of Service (DoS) attacks
  (Syn flood, ICMP flood, UDP flood, "ping of death", IP spoofing, land attack, tear drop attack, IP address sweep attack, Win Nuke attack)
- Intrusion Detection Logging
- LAN/WAN filtering

Management & Configuration

IP Number Self-identification
Through DHCP client

Local & Remote Management
Web-based utilities (via browser)

Firmware Upgrade
Web-based (via browser)

Physical & Environmental

Power Supply
- DC 5V 2A
- Through external power adapter

Dimensions
235 x 162 x 35 mm (device only)
(7.56 x 4.64 x 1.22 inches)

Weight
310 grams (0.68 lb.) (device only)

Operating Temperature
5 $^{\circ}$ to 55 $^{\circ}$C

Storage Temperature
-20 $^{\circ}$ to 70 $^{\circ}$C

Humidity
10% to 90% non-condensing

EMI Certification
- FCC Class B
- CE Class B

Safety
UL

LISTED
ITE
E141136
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Ordering Information

Broadband VPN Router With Built-in 8-Port Switch
DI-808HV   1 10/100BASE-TX port (for DSL/cable modem connection)
1 RS-232 COM port (for ISDN TA/analog modem connection)
8 10/100BASE-TX switch ports

Please specify one of the following after the model number:

DI-808HV/A	Includes US standard power adapter
DI-808HV/E	Includes EU standard power adapter
DI-808HV/B	Includes UK standard power adapter
DI-808HV/N	Includes Australia standard power adapter

D-Link®

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Canada	TEL: 1-905-8295033	FAX: 1-905-8295095
Europe	TEL: 44-20-8731-5555	FAX: 44-20-8731-5511
Germany	TEL: 49-6196-77990	FAX: 49-6196-7799300
France	TEL: 33-1-30238688	FAX: 33-1-30238689
Benelux	TEL: 31-10-282-1445	FAX: 31-10-282-1331
Italy	TEL: 39-2-2900-0676	FAX: 39-2-2900-1723
Iberia	TEL: 34-93-4090770	FAX: 34-93-4910795
Sweden	TEL: 46-(0)8564-61900	FAX: 46-(0)8564-61901
Norway	TEL: 47-22-309075	FAX: 47-22-309085
Denmark	TEL: 45-43-969040	FAX: 45-43-424347
Finland	TEL: 358-9-2707-5080	FAX: 358-9-2707-5081
Singapore	TEL: 65-6774-6233	FAX: 65-6774-6322
Australia	TEL: 61-2-8899-1800	FAX: 61-2-8899-1868
Japan	TEL: 81-3-5434-9678	FAX: 81-3-5434-9868
China	TEL: 86-10-8518-2533	FAX: 86-10-8518-2250
India	TEL: 91-22-652-6696	FAX: 91-22-652-8914
Middle East	TEL: 9714-8834234	FAX: 9714-8834394
Turkey	TEL: 90-212-335-2553	FAX:90-212-335-2500
Chile	TEL: 56-2-232-3185	FAX: 56-2-232-0923
Brasil	TEL: 55-11-3094-2910	FAX: 55-11-3094-2921
South Africa	TEL: 27(0)1266-52165	FAX: 27(0)1266-52186
Russia	TEL: 7-095-737-3389	FAX: 7-095-737-3390
Taiwan	TEL: 886-2-2910-2626	FAX: 886-2-2910-1515
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RECYCLABLE
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