

DI-804HV



KEY FEATURES

- 10/100Mbps port for cable or DSL modem connection
- 4 built-in 10/100Mbps switch ports with flow control and
- NWay auto-negotiation support
- NAT, DHCP support
- Built-in print server
- Multiple VPN PPTP, IPSec sessions, DMZ host support
- Firewall protection against Internet intruders
- LAN users' Internet access control through time scheduling & URL filtering
- Web-based configuration

Cable/DSL VPN Router With IPSec and 4-port Switch

The DI-804HV is a high-performance broadband router with secure data transmission designed for branch office communication. Cost-effectively linking a small office to the outside world through the Internet, the router offers an alternative to the cost-prohibitive point-to-point dedicated connectivity of leased lines. This Business-class 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. In addition, the router also provides cost-saving Internet functions to let you share a single cable/DSL modem and ISP account among your office users, while providing them with physical connections through the built-in LAN switch ports.

Features and benefits:

Secure Transmission Over the Internet:

The DI-804HV prevents your confidential data from being accessed and tampered with when traveling along the public Internet to your destinations. Through VPN tunneling protocols, the router privatizes 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.

Powerful Routing Engine:

The router is equipped with a powerful RISC CPU and large RAM to perform its intensive security tasks. This allows the router to run without data throughput degradation while supporting DES/3DES encryption and other security features.

Business-class LAN Security:

The router provides firewall security using Stateful Packet Inspection

(SPI) and hacker attack logging for Denial of Service (DoS) attack protection, plus VPN pass-through for extra security. SPI inspects the contents of all incoming packet headers before deciding what packets are allowed to pass through. 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.

DMZ Host to Open Public Domain:

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-804V 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.

Simplified, Cost-saving Broadband Internet Connection:

Of course, the basic benefit is to share the broadband line to the entire office, using a single cable or DSL modem. To let everybody logon, the router automatically creates and assigns an IP number for each computer, simplifying every one's logon operation.

4 Switch Ports for Ready LAN Connection: With 4 built-in auto-sensing 10/100Mbps Fast Ethernet switch ports, 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.

Hardware

- Number of Ports
 - 1 RJ-45 10BASE-T/100BASE-TX port for DSL/Cable modem connection
 - 1 DB-9 RS-232 port (460Kbps Baud) for ISDN TA/analog modem connection (for WAN backup)
 - 4 RJ-45 10BASE-T/100BASE-TX 10/100Mbps LAN switch ports
- 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

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

- Diagnostic LEDs
 - Link (WAN port and serial port)
 - Act (WAN port and serial port)
 - Link/Act (per LAN port)
 - 100Mbps (per LAN port)
 - Power (per device)
- Power Supply
 - DC 5V 2.0A input
 - Through external AC power adapter
- Dimensions
 - 190 x 117 x 31 mm
- Weight
 - 153 grams (0.34 lb.)
- Operating Temperature
 - 5°- 45 C (23 - 113 F)
- Storage Temperature
 - -20°- 70 C (-4 - 158 F)
- EMI Certification
 - FCC Class B
 - CE Class B
 - C-Tick



Ordering Information:

DI-804HV

Broadband Internet Gateway With VPN Security, 1 RJ-45 10BASE-T/100BASE-TX port (for DSL/cable modem connection), 1 RS-232 COM port (for ISDN TA/analog modem connection), 4 RJ-45 10BASE-T/100BASE-TX switch ports.