



— DFL-200

VPN Firewall for SOHO

With DMZ Port & 4-Port Switch

The DFL-200 VPN Firewall delivers complete network protection and Virtual Private Network (VPN) services for the small office environment. This device provides an economic yet dependable solution for protection against content-based threats, along with content filtering, firewall, VPN and intrusion detection. This allows you to effectively detect and defeat Internet attacks, prevent misuse, and improve the quality of key network applications, without degrading the performance of your network.

Designed for SOHO

Your office is connected to the outside world Internet or linked to the corporate network and trusted suppliers through the Intranet, and is vulnerable to attacks. The DFL-200 is a compact and easy-to-install unit that can address the needs of a SOHO network. With the functionality typically found in the more expensive devices, this device combines extensive firewall protection with Internet gateway functions, eliminating for you the need to install a separate firewall behind a remote router.

A DMZ port is provided to allow your web, mail and FTP servers to be directly accessed from the Internet. This alleviates congested server traffic from entering the your internal network, while providing your office LAN with the firewall protection. A built-in 4-port switch allows your workstations to directly connect to the firewall/router, saving you the cost and trouble of installation a separate Fast Ethernet switch.

Firewall

The DFL-200 provides Stateful Packet Inspection (SPI) and inbound/outbound filters for your network. Virtual IP mapping maps public IP addresses to servers on the internal and DMZ networks for secure public access. The DFL-200 detects DoS (Denial of Service) attacks against your network operating systems and applications and alerts you of these attacks by e-mail.

IPSec VPN

Industry-standard IPSec, PPTP and L2TP VPN* provide secure communication between networks and clients. The DFL-200 provides Auto-Key Internet Key Exchange (IKE), and hardware accelerated DES and 3DES encryption. Client pass-through support is provided for IPSec, PPTP and L2TP.

Logging

Logging allows you to monitor your network. The DFL-200 provides extensive logging for filtering activities, session tracking activities, intrusion detection activities and user authentication activities. Logs can be easily searched by keywords, source, destination, time and date.

Setup and Management

Web-based configuration provides easy system setup and administration. Industry-standard MIBs are built into the device for platform-independent SNMP-based management and monitoring. A Command Line Interface is provided for you to set up and configure the device from a console, using the built-in RS-232 port.

* PPTP and L2TP VPN functions available in firmware upgrade in the near future.

Key Features

- Connects to DSL/cable modem
- DMZ port for external server connection
- 4 built-in Fast Ethernet switch ports
- 50Mbps performance with simultaneous advanced firewall rules.
- Aggressive/Main client mode for VPN
- IPSec security with VPN tunnels
- Intruder prevention
- Stateful Packet Inspection (SPI) and filters
- Web-based configuration and real-time monitoring
- Built-in MIBs for SNMP management/monitoring

Hardware & Performance

- CPU: Intel IXP 422 266MHz processor
- DRAM: 32MB SDRAM
- Flash memory: 16 MB

Device Ports

- WAN: 10/100BASE-TX Ethernet port
- LAN: 4 10/100BASE-TX Ethernet ports
- DMZ: 10/100BASE-TX Ethernet port
- Console: RS-232 serial port

Performance & Throughput

- Firewall: 50Mbps or higher
- 3DES: 10Mbps or higher
- Concurrent sessions: 3,000 max.
- VPN tunnels: 80 max.
- Policies: 500 max.
- Schedules: 256 max.
- On-line users: 50 max.

Software Features

Firewall Modes of Operation

- NAT (Network Address Translation)
- PAT (Port Address Translation)
- Route mode
- Virtual IP
- Policy-based NAT

VPN Security

- Up to 80 dedicated tunnels
- IPsec Server/Client
- IPsec, PPTP, L2TP pass through
- Authentication Transforms: MD5 and SHA-1
- Encryption Transforms: Null, DES and 3DES
- Tunnel Mode
- Key Management: Manual and IKE
- Keying Modes: Pre-Shared Key
- Key Exchange: DH1, DH2 and DH5
- Negotiation Modes: Quick, Main and Aggressive mode
- Remote access VPN
- Policy-based firewall and session protection
- Keep-Alive on tunnel free configurable
- Hub-and-Spoke

Firewall Security

- NAT
- Stateful Packet Inspection (SPI)/Denial of Service (DOS)
- Packet Filter
- Content Filter (URL Keyword Blocking; Java/ActiveX/Cookie/Proxy Blocking)
- Custom Protocol Filters
- Custom ICMP Filter
- Microsoft Active Directory Integration (via MS IAS)

Administration

- Root Admin, Admin & Read Only user levels
- Software upgrades & configuration changes
- Trust host

Network Service

- DHCP Server/Client
- DHCP Relay
- DHCP over IPsec
- PPPoE for DSL
- PPTP for DSL
- BigPond Cable
- Free configuration of MTU
- FTP Application Layer Gateway
- DNS resolving of remote gateway

System

- System log
- Firmware backup
- E-mail alerts
- Filtering activity (Logs rejected internal and external connection requests)
- Web access log
- Internet Access Monitor
- Remote Management from WAN
- Simple Network Time Protocol (SNTP)
- Simple Network Management Protocol (SNMP)
- SDI service using Ericsson's Home Internet Solution
- Support https
- Consistency checks

Firewall & VPN User Authentication

- RADIUS (external) database
- Built-in database of up to 100 users

IDS

- NIDS pattern
- DDOS and DOS detected
- Mac address bind with IP
- On-line pattern update
- CodeRed detection
- Attack alarm (via E-mail)
- Log and report

Configuration & Management

- Web-based
- CLI via console port
- Factory reset button (on device)

Diagnostic LEDs

- Power
- Status
- WAN
- DMZ
- Link/Act (per LAN port)

Environmental & Physical

DC Input

5VDC, 3A

Power Supply

Through external power adapter

Dimensions

235 mm x 162 mm x 35.6 mm (device only)

Weight

500 grams (device only)

Operating Temperature

0° to 60 °C

Storage Temperature

-25° to 70 °C

Humidity

5% to 95% non-condensing

Emissions

- FCC Class A
- CE Class A

Safety

- UL
- TUV

Box Includes

- DFL-200 Firewall
- External power adapter
- CD ROM (includes User's Manual & Quick Installation Guide)
- Quick Installation Guide (printed)
- Straight-through Cat. 5 Ethernet cable
- Console cable



Ordering Information

DFL-200 VPN Firewall for SOHO

Please specify your order as follows:

DFL-200/A With US standard power adapter
DFL-200/B With UK standard power adapter
DFL-200/E With EU standard power adapter
DFL-200/N With Australia standard power adapter

VPN Remote Access Software

DS-601 Single user license
DS-605 5 users license



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