D-Link®

D NETDEFEND

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*

DFL-200
Technical Specifications

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

Throughput
- Firewall: 50Mbps or higher
- 3DES: 10Mbps or higher

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

TÜV PRODUCT SERMCE GS UL LISTED ITE E141136 66F9 CE

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

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Germany	TEL: 49-6196-77990	FAX: 49-6196-7799300
France	TEL: 33-1-30238688	FAX: 33-1-30238689
Netherlands	TEL: 31-10-282-1445	FAX: 31-10-282-1331
Belgium	TEL: 32(0)2-517-7111	FAX: 32(0)2-517-6500
Italy	TEL: 39-2-2900-0676	FAX: 39-2-2900-1723
Iberia	TEL: 34-93-4090770	FAX: 34-93-4910795
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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
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China	TEL: 86-10-8518-2533	FAX: 86-10-8518-2250
India	TEL: 91-022-652-6696	FAX: 91-022-652-8914
Middle East (Dubai)	TEL: 9714-8834234	FAX: 9714-8834394
Turkey	TEL: 90-212-335-2553	FAX: 90-212-335-2500
Egypt	TEL: 202-414-4295	FAX: 202-415-6704
Israel	TEL: 972-9-9715700	FAX: 972-9-9715601
Latinamerica	TEL: 56-2-232-3185	FAX: 56-2-232-0923
Brasil	TEL: 55-11-55039320	FAX: 55-11-55039321
South Africa	TEL: 27(0)1266-52165	FAX: 27(0)1266-52186
Russia	TEL: 7-095-744-0099	FAX: 7-095-744-0099#350
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RECYCLABLE
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