D-Link®

DFL-700

Network Security Firewall for SME

D-Link's DFL-700 is an easy-to deploy firewall designed for small and medium enterprises (SMEs), workgroups, and departments that require superior price/performance. This device is a powerful security solution that provides integrated Network Address Translation (NAT), Firewall, Content Filtering, IDS protection, bandwidth management as well as Virtual Private Network (VPN) support. The DFL-700 includes a WAN link support, a trusted LAN port, and a DMZ port to support local e-mail and web servers, and is compact enough to fit anywhere. With an intuitive web-based interface and simple process, the DFL-700 provides users with easy installation.

Multi-Function Security Application
The DFL-700 features functions typically found from enterprise-grade firewalls, such as Stateful Packet Inspection (SPI), detect/drop intruding packets, embedded VPN, a physical DMZ port, multiple-mapped IPs and multiple virtual servers. The DFL-700 connects your office easily to a broadband modem such as cable or DSL through an external 10/100BASE-TX WAN port.

Full Firewall Functions
The DFL-700 provides complete firewall functions, including the NAT mode, PAT (Port Address Translation) mode, Transparent mode, Routing mode and SPI. It also supports customized policy and virtual server configuration. Administrators can easily manage the network through graphical statistics in a logging/monitoring system.

High Performance IPSec VPN Support
The DFL-700 is equipped with embedded VPN support, allowing you to create multiple IPSec tunnels to remote sites/clients. IPSec on the DFL-700 uses strong encryption with DES, 3DES, AES and Automated Key Management via IKE/ISAKMP. A VPN tunnel can be activated from the DFL-700 to a remote site or a mobile user for secured traffic flow using triple DES encryption. This offers users a way to confidentially access and transfer sensitive information. Multiple VPN tunnels may be easily created without the need to setup IKE (Internet Key Exchange) policies.

Access Control List (ACL)
URL blocking is part of basic features offered by DFL-700. This function provides the benefit of limiting access to undesirable Internet sites. Logs of real-time Internet traffic, alarms of Internet attacks, and notice of web-browsing activities are logged and can be reported through e-mail notification.

DFL-700 supports Radius authentication so you can make use of your existing Radius Server and user information.

Advanced Features for Complete Protection
DFL-700 provides advanced features including Content filtering, IDS (Intrusion Detection System), Bandwidth Management for complete solution protection to users' Network. Content Filtering lets you filter/protect your network with customized policy. Bandwidth management guarantees bandwidth for different services.

The DFL-700 protects your network from attacks. It can be configured to log all attacks, locate the source IP address generating the attack, send the attack report notification to a specified e-mail address and establish policies to restrict incoming traffic from specific IP address sources. Network administrators can set e-mail addresses to receive alert message from the DFL-700. When intrusion events are detected, the DFL-700 will log them and send alert e-mail, and the administrator can check the log file on the router to find out what happened.

1 DMZ Port, 1 Trusted LAN Port
The DFL-700 includes an auto-sensing 10/100BASE-TX LAN ports that connect to your internal office network, and a physical DMZ (Demilitarized Zone) port that can connect your Web, mail or FTP servers for access from the Internet. The DMZ function is useful because it alleviates congested server traffic from entering the Internal network, while protecting your other office computers from Internet attacks by hiding them behind the firewall.

Easy Setup
The DFL-700 provides an easy-to-use interface that is password-protected but still easily accessible through any Internet browser. Incoming and outgoing policies for firewall traffic, as well as configuration can be easily set up through this web-based interface.

Key Features

- *1 10/100BASE-TX LAN port, 1 10/100BASE-TX DMZ port*
- *1 10/100BASE-TX WAN port for cable/DSL modem connection*
- *PPTP (sept 2004), L2TP (sept 2004), IPSec VPN tunneling support*
- *PPTP, L2TP, IPSec VPN pass throughput support*
- *Aggressive/Main client mode for VPN*
- *Stateful Packet Inspection (SPI) firewall protection*
- *Denial of Service (DoS) and DDoS attack blocking*
- *Network Address Translation (NAT)/Network Address Port Translation (NAPT)*
- *NAT Application Level Gateway (ALG) support*
- *DHCP server/client and parental control*
- *PPPoE support for dial-up DSL to save ISP charge*
- *Content filtering, URL/domain blocking and key word check*
- *Virtual server support*
- *Web-based configuration management & real-time monitoring*
- *SYSlog protocol support*

DFL-700
Technical Specifications

Hardware
- CPU: x86 300MHz high-performance processor
- DRAM: 64 Mbytes
- Flash memory: 16 Mbytes
- Factory reset button
- Accelerator: VPN accelerator for higher performance

Device Ports
- WAN: 10/100BASE-TX port
- LAN: 10/100BASE-TX port
- DMZ: 10/100BASE-TX port
- Console port: serial COM port

Performance & Throughput
- Firewall: 50 Mbps or higher
- 3DES: 20 Mbps or higher
- AES: 28 Mbps or higher
- Concurrent sessions: 10,000 max.
- VPN tunnels: 200 max.

Software
Firewall Mode of Operation
- NAT (Network Address Translation)
- PAT (Port Address Translation)
- Transparent mode
- Route mode
- Virtual IP
- Policy-based NAT

VPN Security
- IPSec Server/Client, PPTP Server/Client, L2TP Server/Client
- IPSec/PPTP/L2TP pass through
- Authentication transform: MD5 and SHA-1
- Encryption transform: Null, DES, 3DES and AES
- Key management: manual and IKE
- Keying mode: Pre-Shared Key
- Key exchange: DH1, DH2 and DH5
- Negotiation mode: Quick, Main and Aggressive mode
- Remote access VPN
- Policy-Based firewall and session protection
- Keep-Alives on tunnel free configurable
- Hub-n-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
- Multiple administrators
- Root Admin, Admin & Read Only user levels
- Software upgrades and configuration changes
- Trust host

Network Service
- DHCP Server/Client
- DHCP Relay
- DHCP over IPSec
- PPPoE for DSL
- PPTP for DSL
- BigPond Cable
- H.323 Application layer gateway
- SIP Application layer gateway
- FTP application layer gateway
- DNS resolving of remote gateway

System
- System log
- Firmware backup
- E-mail alerts
- Filtering activity (logging 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)
- Https
- Consistency checks

Firewall & VPN User Authentication
- RADIUS (external) database
- Built-in database: 500 users limit

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

Bandwidth Management
- Guaranteed bandwidth
- Maximum bandwidth
- Priority-bandwidth utilization
- DiffServ stamp
- Class-based policies
- Application-specific traffic class
- Policy-based traffic shaping
- Subnet-specific traffic class

Driver/Firmware Support
Web-based

Physical & Environmental
Diagnostic LEDs
- Power
- Status
- WAN
- LAN
- DMZ

Power Input
Through 5V 3.0A switching external power adapter

Power Consumption
15 watts max.

Dimensions
235 x 162 x 35.6 mm (device only)

Weight
513 grams (device only)

Operation Temperature
$0°$ to $55°$C

Storage Temperature
$-20°$ to $70°$C

Operation Humidity
5% to 95% non-condensing

Storage Humidity
5% to 95% non-condensing

Emission (EMI)
- FCC Class A
- CE Class A
- C-Tick

Safety
- UL
- TUV/GS
- LVD (EN60950)
- ICSA

Firewall

LISTED
ITE
E141136
66F9

ACN 052 202 838

Ordering Information

Firewall
DFL-700   1 RJ-45 10/100BASE-TX port (for DSL/cable modem connection)
1 RJ-45 10/100BASE-TX port (for DMZ network)
1 RJ-45 10/100BASE-TX port (for internal network)

Please specify your order as follows:

DFL-700/A	Includes a US standard power adapter
DFL-700/E	Includes an EU standard power adapter
DFL-700/B	Includes a UK standard power adapter
DFL-700/N	Includes an Australia standard power adapter
DFL-700/CN	Includes a China standard power adapter

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U.S.A	TEL: 1-714-885-6000	FAX: 1-866-743-4905
Canada	TEL: 1-905-8295033	FAX: 1-905-8295223
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
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
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: 91-022-652-6696	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
Taiwan	TEL: 886-2-2910-2626	FAX: 886-2-2910-1515
D-Link Corp.	TEL: 886-2-2916-1600	FAX: 886-2-2914-6299

RECYCLABLE
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