

# **Information Security Gateway**

## Secure Network Against Emerging Risks

- Control & Manage Instant Messages/Peer-to-Peer Applications
- Manage Bandwidth Through Control of Streaming Media, File Transfers,Web Usage
- Detect & Block Spyware, Trojan, Softether, Network Worms
- Prevent Malicious Programs From Spreading on Network

he D-Link NetDefend DFL-M510 Information Security Gateway (ISG) is an entirely new type of security device designed to protect your network from the emerging risks. Your business is facing Internet threats posed by an increasing use of instant messages (IM) and peer-to-peer (P2P) applications. Without effective management and control mechanisms, it can be vulnerable to a wide variety of menaces including viruses and worms, leakage of confidential information, corporate and regulatory compliance violations, and even identity theft

The NetDefend Information Security Gateway (ISG) can help address these threats and identify unmanaged, unauthorized IM and P2P use on your network, so you can effectively control and manage information flows from your company to the outside world. The information traffic flow that you are able to control and manage includes instant messaging, peer-to-peer applications, file transfers, Email and steaming media from the Intranet.

*IM/P2P* and Bandwidth Management. The NetDefend Information Security Gateway (ISG) allows you better manage your employees' Internet activities and prevent possible misuse of IM and P2P applications. Implementation can be based on company policies, and operation is both automatic and transparent, bringing tangible benefits that include proper utilization of precious network bandwidth and prevention of possible leaks of company secrets through unauthorized and unmanaged use of IM and Email.

Malicious Traffic Prevention. Hackers and scammers are becoming more sophisticated in their approach to vulnerable networks, distributing not just viruses and malicious agents, but putting together blended attacks, increasing perimeter security for other scam methods, multiplying mutations of initial attacks and migrating new threats. The D-Link NetDefend Information Security Gateway can prevent these serious threats by blocking illegal agents hidden in your network's normal traffic, eliminating harmful programs, identifying victims and providing a Zone Defense Mechanism\* to quarantine infected computers. You can detect and drop traffic with health concerns, including Trojan, illegal agents and Network Worms, based on policy rules applied to specific groups, hosts, IPs and subnets.

Seamless Integration. The NetDefend Information Security Gateway (ISG) integrates easily with industry-standard network infrastructure, including third-party network devices, offering maximum flexibility and control. It is deployed between your company's internal network and a network firewall, and can be installed in the in-line mode without causing any change to your current network architecture. It implements a hardware bypass function that avoids single points of failure and maximizes network connection in the advent event of hardware crash.

With hardware-based Layer 7 payload inspection, this device provides high-performance processing of information security. You can leverage your existing investments by adding anti-virus and anti-IM spam, identity authentication and management, session logging and archiving, and detection and usage reporting. All these will help improve your office productivity, reduce your business legal liability, optimize the use of your IT resources and enhance your company's overall network security.



### **FEATURES**

### **IM/P2P Application Management**

- Supports Most IM/P2P Applications
- Blocks Viruses over IM/SPIM
- Prevents Misuse of IM/P2P Applications

### **Bandwidth Management**

- Controls File Transfer/Streaming Media Over HTTP
- Controls Personal Mail
- Controls Web Usage
- QoS Bandwidth Management

#### **Malicious Traffic Prevention**

- Blocks Spyware, Network Worms, Trojan, Softether, Illegal Agents
- Identifies Victims
- Protects Against DOS/DDOS
- Zone-Defense Mechanism\*

### **Traffic Monitoring/Report**

- Monitors Traffic Real Time
- Provides Multi-layer TOP N Reports

### **Hardware**

- Hardware-Based Layer 7 Payload Inspection
- Hardware Bypass to Maximize Network Uptime
- 1 Ethernet WAN Port, 1 Ethernet LAN Port
- Front Panel LCD/Key Pad to Display Status/Monitoring Information
- \* Available in future firmware upgrade











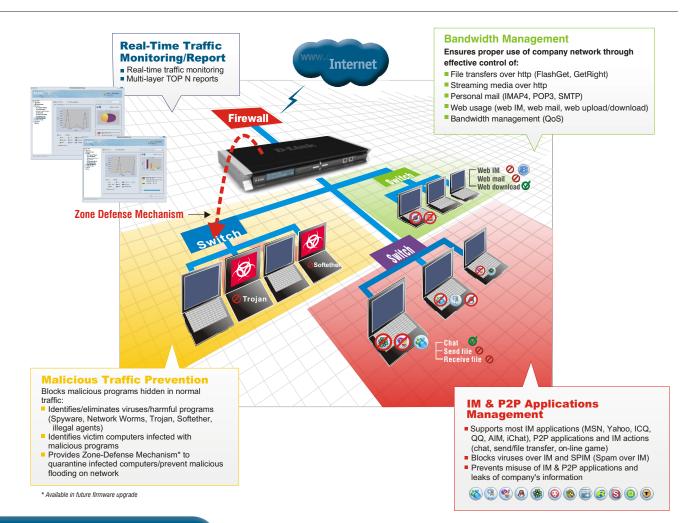








Controlling and managing activities of instant messaging, peer-to-peer applications, email, streaming media and file transfer, from a monitoring station.







### **Functions & Benefits**

### **Real Transparent Mode Implementation**

- Easy installation with no change to existing network architecture
- Interoperability with third-party network devices

### Hardware-Based Layer 7 Payload Inspection

High-performance processing via ASIC Content Processing

#### Granular Management by Hosts, IPs, Groups, Subnets

- Transparent control of IM, P2P, file transfers, streaming media, personal mail
- Discreet control of Internet activities through application of policy-based actions on hosts, groups, IPs, subnets

### Transparent Blocking of Trojan, Spyware, Illegal Agents (Softether), Network Worms

Prevention of malicious traffic spreading on the network

#### Victim Identification

Isolation of trouble spots for troubleshooting

### **Hardware Bypass**

No single points of failure, maximized network connection in case of a hardware crash

### Log/Analysis Report

Easily readable reports printable in html formats

#### DOS/DDOS Protection, Stealth Mode

- Protection from various kinds of DOS/DDOS attacks
- No response to ICMP packets in Stealth mode

### **Summary of Main Functions**

### **IM/P2P Management**

- Control/management of IM applications
- Control/management of P2P applications
- Policy setting by IP, host name, group or subnet

#### **Layer 7 Applications Management**

- Control/management of file transfers
- Control/management of streaming media
- Control/management of web applications
- Control/management of email for personal use
- User-defined application control

### **Health Checking**

- Detection/blocking of malicious programs such as Spyware, Softether, Network Worms
- Victim identification in Intranet
- D-Link Zone Defense mechanism\* to prevent malicious programs from spreading on network

### **Real-Time Monitor and Report**

- Real-time traffic monitoring
- Multi-layer TOP N reports

### Installation/Setup

- Plug-and-play installation with no change to existing network
- Transparent in-line mode, seamless integration with other network devices
- Java web-based setup Wizard
- Hardware bypass mechanism to maximize network connectivity
- Stealth mode for interfaces

### **Physical & Environmental**

### **Ower Input**

Internal Universal Power Supply

### **Dimensions**

440 x 250 x 44 mm 19-inch Standard Rack-Mount Width, 1U Height

### **Operating Temperature**

0° to 60 °C

### Storage Temperature

-20° to 70°C

### **Operating Humidity**

5% to 95% non-condensing

- FCC Class A
- CE Class A
- C-Tick

### Safety

UL/CUL

TEL: 32-(0)2-517-7111

TEL: 48-(0)-22-583-92-75

■ LVD (EN60950)

\* Available in future firmware upgrade











### **D-Link Worldwide Offices**

U.S.A. TEL: 1-800-326-1688 Canada TEL: 1-905-8295033 Europe (U. K.) TEL: 44-20-8731-5555 Germany TEL: 49-6196-77990 France TEL: 33-1-30238688 Netherlands TEL: 31-10-282-1445 Belgium TEL: 32(0)2-517-7111 Italy TEL: 39-02-2900-0676 Sweden TEL: 46-(0)8564-61900 Denmark TEL: 45-43-969040 Norway TEL: 47-99-300-100 Finland TEL: 358-9-2707 5080 Spain TEL: 34-93-4090770 **Portugal** TEL: 351-21-8688493 Czech Republic TEL: 420-(603)-276-589 **Switzerland** TEL: 41-(0)-1-832-11-00 Greece TEL: 30-210-9914 512

FAX: 1-866-743-4905 FAX: 1-905-8295223 FAX: 44-20-8731-5511 FAX: 49-6196-7799300 FAX: 33-1-30238689 FAX: 31-10-282-1331 FAX: 32(0)2-517-6500 FAX: 39-02-2900-1723 FAX: 46-(0)8564-61901 FAX: 45-43-424347 FAX: 47-22-309580 FAX: 358-9-2707-5081 FAX: 34-93-4910795

FAX: 41(0)-1-832-11-01

FAX: 30-210-9916902

Luxemburg Poland Hungary Singapore Australia India Middle East (Dubai) Turkey Egypt Israel **LatinAmerica** Brazil South Africa Russia China Taiwan

TEL: 36-(0)-1-461-30-00 TEL: 65-6774-6233 TEL: 61-2-8899-1800 TEL: 91-022-26526696 TEL: 971-4-3916480 TEL: 90-212-289-56-59 TEL: 202-414-4295 TEL: 972-9-9715700 TEL: 56-2-232-3185 TEL: 55-11-218-59300 TEL: 27-12-665-2165 TEL: 7-095-744-0099 TEL: 86-10-58635800 TEL: 886-2-2910-2626 TEL: 886-2-2916-1600 **Headquarters** 

FAX: 32-(0)2-517-6500 FAX: 48-(0)-22-583-92-76 FAX: 36-(0)-1-461-30-09 FAX: 65-6774-6322 FAX: 61-2-8899-1868 FAX: 91-022-26528914 FAX: 971-4-3908881 FAX: 90-212-289-76-06 FAX: 202-415-6704 FAX: 972-9-9715601 FAX: 56-2-232-0923 FAX: 55-11-218-59322 FAX: 27-12-665-2186 FAX: 7-095-744-0099 #350

FAX: 86-10-58635799

FAX: 886-2-2910-1515

FAX: 886-2-2914-6299

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