D-Link

—— DFL-2100

IDS supporting 8,000 concurrent connections

Network-Based Intrusion Detection System for SMB

Designed to meet the unique security requirements of the small and medium size business (SMB), the DFL-2100 Intrusion Detection System (IDS) offers comprehensive features that bring improved security to your office. With its network-based detection capabilities and event management, the DFL-2100 provides a reliable solution for detecting a broad array of attacks present in today's constantly changing security landscape.

Intrusion Prevention and Damage Assess

Your network is susceptible to a multitude of attacks. Your office is exposed to a variety of potential vulnerabilities, including Internet connections, communication channels between remote and corporate offices and links between trusted business partners. Unfortunately, many preventive measures employed to secure resources and internal traffic do not provide the breadth or depth of analysis needed to identify attempted attacks or uncover potential threats across the organization. Deploying firewalls or virtual private networks can minimize exposure, but they do not provide enough protection.

Intrusion detection solutions provide an additional layer of vital security. The DFL-2100 can detect suspicious activity, prevent the intrusion and assess the damage.

Active On-Line IDS

DFL-2100 is an active and on-line network-based Intrusion Detection System. Its responsibility is to detect malicious and suspicious packets on computer network and take actions in real time. It analyzes the incoming and outgoing packets with a mixed approach combined with misused and anomaly model. With this hybrid mechanism, DFL-2100 can detect unknown type packet flooding and extend the ability to detect new pattern-based attack types easily. A flexible rule-set is provided to allow new policies to be added easily. DFL-2100 is built on real-time OS equipped with high performance appliance that enables you to do much more than other software-based IDS.

Designed for Small to Medium Size Business

Equipped with a powerful CPU, most up-to-date database and ample memory to execute the necessary tasks, the DFL-2100 can provide up to 8,000 concurrent connections in a Small to Medium Size Business (SMB) network. A database can be easily maintained/updated and policy management and monitoring can be easily carried out from any designated computer on your network.

Key Features

- On-line real-time active network intrusion detection
- Policy-based detection and access control
- Multiple protocol support including ARP, IP, TCP, UDP, ICMP, IGMP, IPX, NetBEUI
- Policy management and centralized management monitoring, analysis and reporting
- Third-party routers, switches, firewalls, applications, web servers monitoring

- Real-time reporting and historical forensics
- Large signature database
- Up to 8,000 concurrent connections
- 3 10/100Mbps Fast Ethernet ports each for WAN, LAN, and management connection
- Console port provided

DFL-2100
Technical Specifications

Hardware

System Performance
- Maximum concurrent connections: 8,000
- Maximum expanded policies: 3,000 for each direction
- Maximum queued log in memory: 4,000
- Maximum logged packets in memory: 20,000

Key Components
- CPU: Intel Pentium-III 850Mhz
- Memory: DRAM 256 MB

Wan Port
- 10/100Mbps Fast Ethernet port for outbound WAN
- Supports Full/half duplex
- Auto MDI/MDIX
- 802.3x Flow Control in full duplex
- Back pressure in half duplex

LAN Port
- 10/100Mbps Fast Ethernet port for inbound LAN
- Supports Full/half duplex
- Auto MDI/MDIX
- 802.3x Flow Control in full duplex
- Back pressure in half duplex

Management Port
- 10/100Mbps Fast Ethernet port for policy server connection
- Supports Full/half duplex
- Auto MDI/MDIX
- 802.3x Flow Control in full duplex
- Back pressure in half duplex

Console Port
- DB-9 male connector
- Asynchronous serial DTE with full modem controls

Software Features -- System

In-line real-time

Active Network Intrusion Detection

Policy-based Detection and Access Control

Automatic Alert and Reaction

Instant Traffic Control for:
- Block packets
- Cut off connections
- Generate alarm
- Log suspicious packets

Detect and Block
- Dos/DDoS attacks
- Buffer overflow attacks
- Network scan attacks
- Trojan horse attacks

DDos Attack Classes
- IP flooding
- TCP SYN flooding
- UDP flooding
- UDP smurfing
- ICMP flooding
- ICMP smurfing
- IGMP flooding
- TCP flooding

Bi-directional Detection and Protection
- WAN to LAN
- LAN to WAN

Built in Signature and Anomaly Detection Model

Dependent Policy Applied for Each Interface

Secure Management Port and Stealthy Mode

Content Filtering by Keyword Set in URL

Remote Kernel Update

SSH Remote Secure Management Support

Software Feature

System
O.S.
pSOS 2.5

Main Functions
- Forwarding
- Detection
- Logging
- Blocking

Console Management
RS-232 (Baud rate 9600, 8, N, 1, N)

Network Management
- Remote SSH
- Management UI
- SNMP

System Status
- Stop
- Bypass
- Normal
- Protect

Protocols Supported
- ARP
- IP
- TCP
- UDP
- ICMP
- IGMP
- IPX
- NetBEUI

Physical & Environmental

Power Supply
90 - 264 VAC internal universal power supply

Dimensions
295 mm (D) x 440 mm (W) x 44 mm (H)
Standard rack-mount width, 1U height

Operation Temperature
$0° \sim 50°C$

Storage Temperature
$-25° \sim 55°C$

Humidity
5% ~ 95% non-condensing

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

Safety
- UL
- CSA
- TUV/GS

ACN 052 202 838

Ordering Information

DFL-2100	Intrusion Detection System

Please specify your order as follows:

DFL-2100/A	with US standard power cord
DFL-2100/B	with UK standard power cord
DFL-2100/E	with EU standard power cord
DFL-2100/CN	with China standard power cord
DFL-2100/N	with Australia standard power cord

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	TEL	FAX
U.S.A	1-949-788-0805	1-949-753-7033
Canada	1-905-8295033	1-905-8295095
Europe	44-20-8731-5555	44-20-8731-5511
Germany	49-6196-77990	49-6196-7799300
France	33-1-30238688	33-1-30238689
Benelux	31-10-2045740	31-10-2045880
Italy	39-2-2900-0676	39-2-2900-1723
Iberia	34-93-4090770	34-93-4910795
Sweden	46-(0)8564-61900	46-(0)8564-61901
Norway	47-22-309075	47-22-309085
Denmark	45-43-969040	45-43-424347
Finland	358-9-2707-5080	358-9-2707-5081
Singapore	65-6774-6233	65-6774-6322
Australia	61-2-8899-1800	61-2-8899-1868
Japan	81-3-5434-9678	81-3-5434-9868
China	86-10-8518-2533	86-10-8518-2250
India	91-22-652-6696	91-22-652-8914
Middle East	9714-8834234	9714-8834394
Turkey	90-212-335-2553	90-212-335-2500
Chile	56-2-232-3185	56-2-232-0923
Brasil	55-11-3094-2910	55-11-3094-2921
South Africa	27(0)1266-52165	27(0)1266-52186
Russia	7-095-737-3389	7-095-737-3390
Taiwan	886-2-2910-2626	886-2-2910-1515
D-Link Corp.	886-2-2916-1600	886-2-2914-6299

RECYCLABLE
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