DLM-3500 Intelligent WAN Link Manager

Appliance for optimizing bandwidth utilization

Optimal Network Performance and Scalability
Increased bandwidth by aggregate broadband lines
Dynamic translation of network address on different WAN lines
Policy based bandwidth management

Multi-homing
Inbound Load-Balancing
Built-in DNS Sever with multiple Domain

Enhanced Security
Network Address Translation
DoS Protection
Policy based Access Control List

Lower Total Cost of Ownership
Integrated Multi-Function Single Device
Excellent Price-Performance Ratio
Reduce leased line expenses
Reduce Total Management Costs

Key Features
Reduce overall network cost
Optimized bandwidth utilization
Inbound-outbound traffic load balancing
Fault tolerance
Quality of Service (QoS)
Service Grouping/ IP Grouping

Overview
Fast and reliable Internet access is a basic requirement for any business today. A business that relies on a single ISP line however can run the risk of discontinuity should the line fail. D-Link therefore introduces the DLM series Intelligent WAN Link Manager which is able to provide fault tolerance, while seamlessly monitoring and adjusting the availability and performance of multiple WAN links to improve overall Internet connectivity. It consolidates different ISP and WAN links of an organization to provide WAN fault tolerance to these links, thus enabling load balancing, reliable data transmission, uninterrupted Internet connectivity, and external connection stability.

High Performance, Excellent Scalability and Improved Availability
Using the DLM Link Manager, faster data transfers is made possible by increasing bandwidth through trunking affordable broadband lines (xDSL and cable) with traditional leased lines together to form a single virtual WAN trunk. The built-in intelligent WAN link health checks and fault tolerance mechanisms also help improve network availability and ensure reliable connections while optimizing bandwidth utilization according to business policies.

Outbound and Inbound Load Balancing
Using real-time load balancing with optimal routing algorithm, the DLM's intelligent router engine is able to direct each session or connection to the best available link. It supports policy-based routing and traffic scheduling to translate business policy into network policy. With D-Link's PromptDNS, the DLM is also able to dynamically return DNS responses according to link quality and load-balances for incoming traffic across different ISP lines when external users request for the Web server's IP address.

Fault Tolerance and System Monitoring
When a link fails or is unstable, traffic is automatically re-routed to other available links to ensure uninterrupted connectivity. Once the failed link resumes service, the on-line traffic is redistributed across all available connections to optimize the network performance. All these are made possible through the DLM health check engine which monitors the network around the clock and provides failover and failback functions. Using health check and PromptDNS guarantees uninterrupted availability through dynamic DNS reconfiguration, which ensures a response with a valid IP address to the external user's request for a web server's IP address.

Policy-Based Bandwidth and DoS Protection
Filtering out unexpected traffic helps optimize bandwidth utilization and ensures the best transmission quality for the transfer of mission-critical data. With built-in QoS, the DLM also takes advantage of this integrated bandwidth management across WAN links. In addition, LAN, WAN and DMZ ports are also equipped with protection against DoS attacks such as SYN Flood and ICMP Vulnerability.

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Technical Specifications		
Hardware Specifications	Logical WAN Links	4
	Physical 10 / 100 Base – TX	4 WAN + 1 LAN
	WAN Bandwidth	50Mbps
	Console-RJ11	1
Networking	WAN: Static, PPPoE, PPTP, DHCP NAT, Static NAT, PAT Static Routing Persistent Routing Multiple Public IP Pass Through Policy Based Routing WAN Aggregation DHCP Server UPnP MAC Address Clone DMZ support Netmeeting Pass-through Service Grouping / IP Grouping	
Load Balancing and Multi-homing	Outbound Load Balancing (Auto Routing) Fixed Weighted Round-Robin Weighted By Traffic (Link Utilization) By Source/Destination IP By Service Port Inbound Load Balancing and Multi-homing Multiple Domains Multiple DNS per Domain Fault Tolerance User Defined Multi-homing TTL Virtual Server Inbound Load Balancing and Fault Tolerance Build-in DNS Server with Multiple Domain Support	
Policy Based Bandwidth Management	Maximum and Minimum Bandwidth Control QoS Priority (Source / Destination IP Address, Schedule) Per IP max connection, Per IP max rate control	
Security	Access Control List Stateful Packet Inspection Firewall DoS Protection IPsec, PPTP VPN Pass-through	
Management	SNMP V1 and V2c MRTG Support System Log	
Others	Form Factor: Standalone 1 year Warranty	

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Ordering Information	
Model Name	Description
DLM-3500/A	Intelligent WAN Link Manager (A=USA)
DLM-3500/B	Intelligent WAN Link Manager (B=UK)
DLM-3500/E	Intelligent WAN Link Manager (E=EUR)
DLM-3500/N	Intelligent WAN Link Manager (N=AUS)
DLM-3500/C	Intelligent WAN Link Manager (C=CN)
DLM-3500/K	Intelligent WAN Link Manager (K=KOREA)
DLM-3500/J	Intelligent WAN Link Manager (J=JAPAN)

BUSINESS