

**DL218S12M Layer 7 Switchr****LAN/WAN****10B-T** ↔**100B-T** ↔**1000B-T** ↔**FEATURES**

- Intelligent Traffic Routing at Full Wire Speed
- Create and Apply Policies based on Application Type
- Track Customer Usage by Application
- Analyze Traffic flow and Guarantee Bandwidth
- Management Console on Any Port
- Eliminate Network Bottlenecks by Throughput Control
- Application Definition Library
- System Configuration Backup to Floppy Disk
- (12) 10/100 Ports, (2) 100 Base FX or (2) Gigabit Ports

**DESCRIPTION**

The DL218S12M is the first true Application Layer switch. This is a truly revolutionary product and will totally change the communications industry. With this Switch, Quality of Service (QoS) can now be added to Ethernet. For Wide Area Networks (WAN's) and Metropolitan Area Networks (MAN's), Gigabit Ethernet with Layer 7 Switching will begin to replace ATM and SONET as the communications format of choice. Why? Because, for the first time, Ethernet can offer the same features and benefits as ATM and SONET at a 70% cost savings. Policy templates can be created based on users and applications. Do you want to guarantee bandwidth for a specific customer attached to port 7 for a video over IP transmission? No problem! Do you want to restrict bandwidth for a college attached to port 5 but only for bandwidth hogging applications like Napster? Without other applications being restricted, this can also be done. Legacy applications like clear channel T1 can also be given high priority, while e-mail can be given lower priority. With this switch you can now track the traffic patterns on your network, for example, you find that your network gets congested every Thursday afternoon. By using the DL218S12M switch to monitor the traffic, you discover that an insurance company transfers large files at that time. With this information, you can adjust your billing for that particular customer and generate additional revenue for your business! For CATV systems that are ISP's, the DL218S12M switch can prevent traffic overloads created by hackers (ie: "The Ping of Death") outside the system from attacking one of your customers. You can also prevent hackers from inside your ISP from mounting an attack on an external Internet address. This firewall feature can protect you from potential lawsuits. QoS, Switching by Applications, Guarantee Bandwidth, Restrict Bandwidth, VoIP, Video over IP, Video Streaming, True Network Monitoring for billing purposes, Gigabit Ethernet, Carrying Legacy T1 traffic, plus a Firewall. All for a 70% savings vs ATM and SONET. It's Ethernet; it's easy!

**Radiant Communications Corporation**

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**DL218S12M Layer 7 Switch****SPECIFICATIONS****LAYER 7 FEATURES**

Service Classes  
802.1p/TOS/DiffServ Bit Setting  
TopFlow Application Monitoring and Data Collector  
FTP Dynamic Ports  
HTTP URI Applications  
Sun RPC-Based Applications  
Layer 7 Arbitrary Offset Applications  
Application Graphing  
Protocol Independent Data Link Bridge  
802.1d Compliant  
Wire-Speed Forwarding  
8,000 MAC Addresses  
Port Failover (Spanning Tree)  
Fast Port Failover (Non-Spanning Tree)  
Cisco-Compatible Link Aggregation  
802.1q VLAN Tag-Friendly  
SNMP Bridge MIB  
Fast Ethernet Link Aggregation  
Fast Ethernet Link Failover Resiliency

**LAYER 2 FEATURES****REGULATORY MARKINGS**

CE Mark • C-TICK Mark • TUV/GS Mark

**ELECTROMAGNETIC EMISSIONS**

FCC Part 15B Class A  
ICES003 Class A  
CISPR22 Class A  
EN55022 Class A  
VCCI Level A

**TOPVIEW™ WEB MANAGEMENT**

Embedded Welcome Page  
Application Definition Library (ADL)  
Top Layer ADL Help  
TopFlow Data Collector Utility  
Enhanced Graphing and Reporting  
Basic Authentication  
Distributed IP Address Setting  
Designated AppSwitch Election  
Configuration Files Editor

**LAYER 3 FEATURES**

L3 IP Forwarding  
Wire-Speed Forwarding  
IP-Static Routes  
IP-RIPv1  
IP-RIPv2

**LAYER 3 FEATURES**

L2/L3 Forwarding with L4 QoS  
Wire-Speed Forwarding  
16,000 Simultaneous Flows  
Flexible TCP/UDP Control

**LAYER 4 FEATURES****PHYSICAL INTERFACES**

12 10 BASE-T/100 BASE-TX (RJ45 Connectors)  
2 100 BASE-FX (SC Connectors)(optional)  
2 1000 BASE-SX (SC Connectors) (optional)

**SAFETY CERTIFICATIONS**

Agency Certifications: UL1950  
CSA22.2 No. 950  
EN 60950, IEC 60950  
AC Protection: 4 A Fuse  
Over Temperature Protection:  
Automatic Warning at 60° C (140° F)

**LAN INTERFACES SPECIFICATIONS**

802.3, 802.1d, 802.3u, 802.1p, 802.1Q

**IMMUNITY**

EN 50082-1

**DIMENSIONS**

17.3"W x 13.0"D x 3.0"H  
State Browser Accessibility  
Graphical Model of Logical Network  
Multiple Zones  
Default Policy Set Templates  
Firewall, DMZ Firewall, Standard, No Access, Baseline  
User-Defined Policy Sets  
Telnet Support  
MIB 2 SNMP Agent  
Mini-RMON — Groups 1,2,3,9

**ORDERING INFORMATION**

DL218S12M (12) 10 BASE-T/100 BASE-TX Ports and (2) 100 BASE-FX Ports (optional)

DL218S12M2G (12) 10 BASE-T/100 BASE-TX Ports and (2) 1000 BASE-SX Ports (optional)

**NOTES:** 1. For information regarding optional fiber optic modules, please consult factory. 2. For redundant power supply options, please consult factory.

*Due to product enhancements, specifications are subject to change without notice.*

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