

DL208FS24M 10/100/1000 Fiber Optic 24 Port Managed Switch

DESCRIPTION

With twenty-four 10/100Mbps RJ-45 ports, four GbE copper ports and two shared SFP / copper GbE interface, Radiant DL208FS24M boasts a high performance switch architecture that is capable of providing non-blocking switch fabric and wire-speed throughput as high as 12.8 Gbps. Its four built-in GbE uplink ports also offer incredible extensibility, flexibility and connectivity to the core switch or servers.

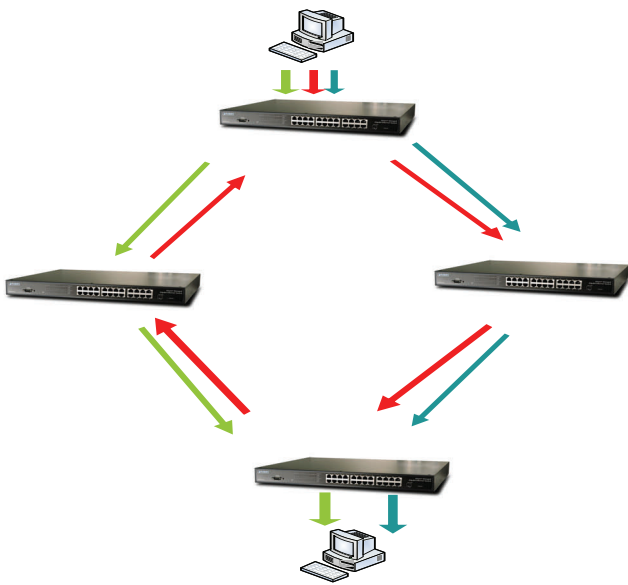
The IEEE 802 standard-based firmware provides a rich set of features and ensures interoperability with equipment from other vendors. Additionally, the firmware includes advanced features such as IGMP snooping, broadcast storm control, and MAC address filtering, to enhance security and bandwidth utilization. With its built-in web-based management, the Radiant DL208FS24M offers an easy-to-use, platform-independent management and configuration facility. The Radiant DL208FS24M supports standard Simple Network Management Protocol (SNMP) and can be managed via any standard-based management software. For text-based management, the Radiant DL208FS24M can also be accessed via Telnet and the console port.

BENEFITS

- Software—web based configuration
- IEEE standard compliant
- 4 port SFP mini-GBIC interface for fiber extension
- 12.8/17.6 Gbps non-blocking switch fabric
- Ability to stack 8 units and manage with one IP address

FEATURES

- 24 Port 10/100 Mbps TP interface
- VLAN capable with or without VLAN tagging
- IGMP Snooping and IGMP Query mode
- Supports IP multicasting
- Broadcast/Multicast/Flooded storm control



**Radiant
Communications
Corporation**

Phone: 908 757 7444 or 800 969 3427
Fax: 908 757 8666
E-mail: sales@rccfiber.com
www.rccfiber.com

P.O. Box 867
South Plainfield
NJ 07080
USA

DL208FS24M 24 port Managed Switch

SPECIFICATIONS

Hardware Specification

Switch ASIC:	Marvell 88E6095 x3, 88E6185 x 1
Ports:	24 10/100 Base-TX RJ-45 Auto-MDI/MDI-X ports
Module Slots:	4 GbE copper and two shared SFP/copper GbE
Supported Module:	SFP Mini-GBIC
Stack Interface:	Through Ethernet interface. Up to 8 units managed by single IP
Switch Fabric::	12.8 Gbps
Switch Processing Scheme:	Store and forward
Throughput:	12.8 Mpps (packets per second)
Address Table:	16K entries
Queue Bugger:	2 Mbytes
Flow Control:	Back pressure for half duplex, IEEE 802.3 Pause frame for full duplex.

Protocols/Standards Compliance

IEEE 802.3 (Ethernet)	RFC 768 UDP
IEEE 802.3ab (1000 Base-T)	RFC 783 TFTP
IEEE 802.1p (QOS)	RFC 791 IP
IEEE 802.3u (Fast Ethernet)	RFC 792 ICMP
IEEE 802.1D (Spanning Tree)	RFC 826 ARP
IEEE 802.1Q (VLANs)	RFC 854 Telnet
IEEE 802.3x (full-duplex flow control)	RFC 1058 RIP
IEEE 802.3z (1000Base-SX/LX)	RFC 1122 Host req.
IEEE 802.1w (Rapid Spanning Tree)	RFC 1157 SNMP v1/v2
	RFC 1213 MIB II
	RFC 1256 ICMP Router Dis.
	RFC 1493 Bridge MIB
	RFC 1757 RMON 4
	RFC 1812 IP Router Req
	RFC 2131 DHCP Relay
	RFC 2068 HTT
	RFC 2236 IGMPv2
	RFC 2674 VLAN MIB
	RFC

Network Management

Management Chip:	Marvell 88E6218 x 1
System Configuration:	Console port, Telnet, Web browser, SNMP/RMON
Management Agent:	MIB II, Ethernet MIB, RMON MIB, VLAN MIB and enterprise private MIB Groups 1,2,3,9 (Statistic, History, Alarm, Event)
RMON:	IEEE 802.ID, 802.1w
Spanning Tree Algorithm:	802.1Q VLAN with GARP/GVRP, up to 128VLAN
VLAN:	RIP, RIP-2, DHCP Relay, proxy ARP and ICMP Router Discovery Message
Routing:	Source and destination MAC address Filter Support IP multicast with IGMP snooping Up to 4 ports in a trunk, 3 trunk groups
Static Address Filtering:	2 mirroring port supports
IGMP Multicast Filtering:	Based on IEEE 802.1p tag or ToS of IP layer
Port Trunking:	4 priority queues on 10/100 ports
Port Mirroring:	Supports delay bout, strict priority, WFQ and best effort disciplines.
QoS:	Supports WRED drop threshold mgmt.
Priority Que:	10 levels of rate configurable on 10/100 port
QoS Scheduling:	
Congestion Avoidance:	
Rate Control:	

Optical

Wavelength:	850 nm, 1310 nm, 1550 nm,
Number of Fibers:	2
Optical Connector:	LC

General Characteristics

MTBF:	>50,000 hours @ 25° C
Power:	50W Max @ 100 to 240V AC
Weight:	6.68 lbs./3.03 Kg
Operating Temperature:	0° to 50° C
Storage Temperature:	-20° to 70° C
Humidity:	5% to 90% non-condensing
Size:	rackmount 17.0" W x 9.76" D x 1.75" H

LED definition

LED	COLOR	STATUS
Power	Green	Switch is powered on.
SYS	Green	System is working
Link/Activity	Green	Port is established, blinking -data received/sent
Speed	Orange	100 Mbps is working

ORDERING INFORMATION

PART NUMBER	DESCRIPTION	MAX DISTANCES
DL208FS24M	24 Port +4 Gigabit-slots managed Stackable Switch	NA
DL208FSGMM	Media Converter, 2 Fibers, Multimode 1310 nm	10 km
DL208FSGSM2	Singlemode 2 port media converter	25 km
DL208FSGSMHP	High Power Singlemode 2 port media converter	50 km

Note:

- For higher optical budgets and distances, CWDM and DWDM systems, contact factory
- Due to product enhancements, specifications subject to change without notice



**Radiant
Communications
Corporation**

Phone: 908 757 7444 or 800 969 3427
Fax: 908 757 8666
E-mail: sales@rccfiber.com
www.rccfiber.com

P.O. Box 867
South Plainfield
NJ 07080
USA

1/2006