

Network Switches



DIANA : DMS-9F-2G

9G SFP + 2G uplink L2 Managed Switch

OVERVIEW

DMS-9F-2G is a 9 ports Gigabit SFP Switch with 9*100/1000M SFP Fiber ports and 2*10/100/1000M RJ45 Ethernet ports. It provides a network point for data transmission with simple and reliable design and automatic identification of Ethernet requirements like duplex and high-speed.

DMS-9F-2G supports a vast range of SFP transceivers for different network scenarios, such as Multimode or Singlemode for various distances. It is an economical switch with reliable performance and excellent quality. It is an ideal switch for ISPs to use in different Optical Fiber Ethernet networks.

Key Features

- 9*1000Mbps SFP Fiber ports and 2*10/100/1000Mbps RJ45 ports.
- Auto-negotiation function supports UTP ports to auto 10/100/1000M and Full Duplex/Half Duplex.
- The SFP slot supports 1000M and Half/Full Duplex mode.
- Supports flow control and broadcast storm protection.
- Supports VLAN and QoS.
- Supports Trunking function.
- Low power consume <20W, low heat, and good reliability.

SPECIFICATIONS

Product Description	9G SFP + 2G uplink L2 Managed Switch
Model Name	DMS-9F2G
Product Family	DIANA
Warranty	3 Year Warranty Pack
PORT CONFIGURATION	
10M/100M/1G RJ45 Port	2
100M/1G/2.5G RJ45 Port	--
100M/1G/10G RJ45 Port	--
100M/1G/2.5G/5G/10G RJ45 Port	--
100M/1G SFP Port	9
GbE RJ45/SFP Combo Port	--
1G/2.5G SFP Port	--
1G/10G SFP+ Port	--
Console Port	RJ45
Total Ports	11
HW PERFORMANCE	
Switching Bandwidth	22 Gbps
Forwarding Performance	16.3 Mpps
MAC Address	8K
Jumbo Frames	9216 Bytes
ENVIRONMENTAL SPECIFICATION	
Operating Temperature	-5°C to 55°C
Operating humidity	10%~90% Non condensing
Storage Temperature	-40 °C~70 °C

Storage humidity	5%~95% Non condensing
MECHANICAL SPECIFICATION	
Product size	225(L)*105(W)*35(H)mm
Packing size	305(L)*208(W)*55(H)mm
Weight	0.7 Kg
FAN Less	Y
POWER SOURCE	
AC Input	--
DC Input	12V 2.5A
Dual Input	--
POE	
Total PoE Budget	--
Max PoE Power Per Port	--
PoE Standard	--
CERTIFICATIONS	
EN60950 (Surge 3KV, 8/20us)	Y
Certifications	CE, EN, RoHS
L2 SWITCHING	
IEEE 802.3x	Y
IEEE 802.3, IEEE 802.3u 、 IEEE802.3ab 、 IEEE 802.3z	Y
IEEE 802.3ad	Y
IEEE 802.3q 、 IEEE 802.3q/p	Y
IEEE 802.1w 、 IEEE 802.1d 、 IEEE 802.1S	Y
MAC Address	8K
MAC address learning and aging	Y

VLAN	4k VLANs
Port-based VLANs	Y
802.1Q VLAN	Y
SPANNING TREE	
STP(Spanning Tree Protocol)	Y
RSTP/MSTP(Rapid Spanning Tree Protocol)	Y
ERPS ring network protocol	Y
EAPS ring network protocol	Y
802.1x argumentation agreement	Y
Link Aggregation	Max 8 aggregation groups, each supports 8 ports
Static aggregation	Y
Dynamic aggregation	Y
Port Mirror	Y (Many-to-one)
LOOP GUARD	
Loop protection function	Y
Real-time detection	Y
Rapid alarm	Y
Accurate positioning	Y
Intelligent blocking	Y
Automatic recovery	Y
Port isolation	Y
PORT FLOW CONTROL	
Half duplex based back pressure control	Y
Full duplex based on PAUSE frames	Y

Port based input / output bandwidth management	Y
IP BINDING	
Static ARP	Y
Static routing	Y
IGMP SNOOPING	
Support 256 layers of set table capacity	Y
IGMPv1/2/3 MLDv1/2 Snooping	Y
GMRP protocol registration	Y
Multicast address management	Y
Multicast VLAN	Y
Multicast routing ports	Y
Static multicast addresses	Y
DHCP Snooping	Y
STORM SUPPRESSION	
Unknown unicast, multicast	Y
Unknown multicast	Y
Storm suppression of broadcast type	Y
Storm suppression based on bandwidth tuning	Y
Storm filtering	Y
SECURITY	
Support 256 groups of ACL	Y
Teams that support 4 different priorities per port	Y
User port+IP address+MAC	Y
ACL based on IP and MAC	Y
Security properties of port based MAC address quantities	Y

Support system CPU self protection	Y
QOS	
802.1p port queue priority algorithm	Y
Teams that support 4 different priorities per port	Y
Cos/Tos , QOS sign	Y
WRR (Weighted Round Robin)	Y
Weighted priority rotation algorithm	Y
WRR 、 SP 、 WFQ , 3 priority scheduling models	Y
Based on port, MAC, 802.1Q	Y
DSCP classification	Y
Port	Auto-MDIX ; Auto negotiation
SYSTEM MAINTENANCE	
Upgrade package upload	Y
System log view	Y
Upload / download configuration files through WEB	Y
Multiuser management	Y
Web restore and factory configuration restore	Y
POE MANAGEMENT	
Open or close port	--
Standard POE scheduling management	--
A variety of timing reset function (recently upgraded)	--
POE Automatic equipment on-line inspection	--
MANAGEMENT AND MAINTENANCE	
WEB Interface	Y
Remote configuration and maintenance using Telnet	Y

SNMP V1/V2/V3 ; SSH V1/V2	Y
RMON	Y
CLI Telnet	Y
TFTIP Console	Y

*All specifications are subject to change without notice.