DIANA : DMS-28G-4C

28G + 4SFP Combo Uplink L2 Lite Gigabit Managed Switch

OVERVIEW

Diana DMS-28G-4C is a full layer 2 Gigabit network management switch designed and developed solely for the purpose of building high-performance gigabit network requirements. With 24 Gigabit RJ45 ports, 4 Gigabit SFP (Mini GBIC) Combo ports and 4 Gigabit RJ45 uplink ports this switch provides a high-performance network with a comprehensive security protection system, reliable QoS strategy, and rich VLAN function. Management and maintenance of switch are simple and can be applied to small and medium enterprises as well as the core layer of community and schools.

- 28*10/100/1000M RJ45, 4* Gigabit SFP (mini GBIC) Combo uplink ports.
- A comprehensive security protection system to ensure long-term stable operation of the network.
- Rich QoS strategy and ACL access control function, multi-service, efficient integration operation.
- Port convergence and spanning tree protocol improve the ability of link redundancy backup.
- Support secure, fiexible ways of providing Web, network management, CLI command line, SNMP, etc.
- Support network diagnosis, cable inspection, system logs, and other functions, simple maintenance.

Full Gigabit access

Provides 24* 10/100/1000M adaptive RJ45 ports, all the ports have the line speed forwarding capacity; 4 independent Gigabit SFP (Mini GBIC) Combo ports and 4 Gigabit RJ45 uplink ports for convenient and fiexible deployments and to fully protect user investment.

A comprehensive safety protection system

Simple operation, simplifying the management of the network; a combination of ARP attack protection function, completely solve the network ARP spoofing attacks; support port security, can limit the number of port MAC address, MAC address effective defense attack; support DoS attack protection, effectively guarantee the network security.

Multilevel access control policy

Powerful hardware ACL capacity, support L2~L4 data stream classification; easy network monitoring, traffic regulation, priority weight markers, and data forwarding control; support time-based ACL control, easy to realize the time accurate access control needs; support port and MAC 802.1x based authentication based on user access, easy setup.

Powerful VLAN capabilities

IEEE, 802.1Q, VLAN, meet the needs of different users, make the network more convenient, efficient and safe.

Reliability design

STP/RSTP/MSTP two-layer link protection technology, greatly improve the ability of fault tolerance, redundancy link, to ensure stable operation of the network; provide static convergence and dynamic aggregation of two kinds of convergence pattern, effectively increase the link bandwidth, improve link reliability, while achieving load balancing, link backup; support multicast management, through the IGMP Snooping technology, effective inhibition of multicast overload caused by network congestion.

Rich QoS strategy

3 priority modes based on port, IEEE802.1p and DSCP to guarantee the priority processing of key business data; support traffic control function, and can reasonably allocate bandwidth.

Secure network management and maintenance

CLI command line (Console, Telnet), Web network, SNMP (V1/V2c/V3, SSH (V1/V2) and other management methods, to achieve fast and convenient network management; support user identity classification, filtering and other functions, enhanced security configuration; support port data monitoring, real-time monitoring of network status, to easily achieve the global unified management of the network, convenient flexible.

Advanced watchdog Technology

System integration against a false halt system, when the system resources exhausted or the system suspended tasks and other unexpected circumstances, the system will automatically restart, to ensure the reliable operation of the network.

SPECIFICATIONS

Product Description	28G + 4G SFP Combo Uplink L2 Fully Managed Switch
Model Name	DMS-28G-4C
Product Family	
Warranty	3 Year Warranty Pack
Port Configuration	
10M/100M/1G RJ45 Port	28
100M/1G/2.5G RJ45 Port	--
100M/1G/10G RJ45 Port	--
100M/1G/2.5G/5G/10G RJ45 Port	--
100M/1G SFP Port	--
GbE RJ45/SFP Combo Port	4
1G/2.5G SFP Port	--
1G/10G SFP+ Port	--
Console Port	RJ45
Total Ports	32
HW Performance	
Switching Bandwidth	56Gbps
Forwarding Performance	41.7Mpps
MAC Address	16K
Jumbo Frames	9216 Bytes
Environmental Specification	
Operating Temperature	0°C to 50°C
Operating humidity	10%~90% Non condensing
Storage Temperature	-40 ℃~70 ℃
Storage humidity	5%~95% Non condensing
Mechanical Specification	
Product size	440(L)*200(W)*45(H)mm
Packing size	497(L)*313(W)*97(H)mm
Weight	2.6 Kg

FAN Less	Y
Power Source	
AC Input	AC 100~240V 50~60Hz
DC Input	--
Dual Input	--
PoE	
Total PoE Budget	--
Max PoE Power Per Port	--
PoE Standard	--
Certifications	
EN60950 (Surge 3KV, 8/20us)	Y
Certifications	CE, LVD, RoHS
L2 Switching	
IEEE 802.3x	Y
IEEE 802.3、 IEEE 802.3u、 IEEE 802.3ab、 IEEE 802.3z	Y
IEEE 802.3ad	Y
IEEE 802.3q 、 IEEE 802.3q/p	Y
IEEE 802.1w、 IEEE 802.1d 、 EEE 802.1S	Y
MAC Address	16K
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
IGMP Snooping	
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	

User port+IP address+MAC	Y
ACL based on IP and MAC	Y
Security properties of port-based MAC address quantities	Y
QoS	
802.1p port queue priority algorithm	Y
Cos/Tos，QOS sign	Y
WRR (Weighted Round Robin)	Y
Weighted priority rotation algorithm	Y
WRR、SP、WFQ，3 priority scheduling models	Y
DSCP classification	Y
Port	Auto-MDIX; Auto-negotiation
System maintenance	
Upgrade package upload	Y
System log view	Y
Web restore and factory configuration restore	Y
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

*All specifications are subject to change without notice.

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GOING BEYOND VISION

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