

10 Port 2.5G Multigigabit Cloud Managed PoE switch

DMS-F1100-10XPD

- 8x100/1000/2500Mbps RJ45 ports + 2x10Gbps RJ45 port
- Compliant with IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3bz, IEEE802.3x standards
- Support port auto-rotation (Auto MDI/MDIX)
- Flow control mode: full-duplex adopts IEEE 802.3x standard, half-duplex adopts Back pressure standard
- Support QoS data priority
- Support Energy-Efficient Ethernet (EEE) function (IEEE802.3az)
- Support IEEE802.3bt standard, compatible with IEEE802.3af/at
- 2.5G port1-6 output power up to 30W, 2.5G port7-8 output power up to 90W, 10G RJ45 port9 output power up to 90W



Features



Gigabit Ports

Eight 2.5G PoE RJ45 ports, one 10G PoE RJ45 port and one 10G RJ45 port.



90W PoE++, 300W Budget

Supports IEEE 802.3bt, compatible with 802.3af/at. Up to 30W on ports 1-6 and 90W on ports 7-9, with a 300W total PoE budget.



80Gbps Switching Capacity

Store-and-forward switching at 59.52Mpps, with a 16K-entry MAC address table and automatic aging.



Smart Managed

Web network management, D-Lite cloud management, LLDP and NTP/SNTP time management.



Network Protection

Storm control, loop prevention, STP/RSTP with edge port, and port mirroring for diagnostics.



Energy-Efficient Ethernet

IEEE 802.3az EEE support, with 1091.84 BTU/h maximum heat dissipation and a 785,576-hour MTBF.

Technical Specifications

DMS-F1100-10XPD

General

Network Interface	8*10M/100M/1000M/2.5Gbps self-negotiating RJ45 POE ports 1*100M/1000M/2.5G/5G/10Gbps self-negotiating RJ45 POE port 1*100M/1000M/2.5G/5G/10Gbps self-negotiating RJ45
Transmission Rate	10/100/1000/2500Mbps Each port supports MDI / MDIX auto-flip and auto-negotiation - Network interface: 10BASE-T or 100BASE-TX, 1000BASE-T, 2.5GBASE-T, 5GBASE-T, 10GBASE-T Ethernet RJ-45 port
Protocols & Standards	- IEEE802.3 10BASE-T - IEEE 802.3u 100BASE-TX - IEEE802.3ab 1000 BASE-T - IEEE 802.3bz:2.5GBASE-T - IEEE 802.3an 10G BASE-T - ANSI/IEEE 802.3 NWay auto-negotiation - IEEE802.3x Flow Control
PoE Protocol	- IEEE802.3af (15.4W) - IEEE802.3at (30W) - IEEE802.3bt (90W)

Functionality

Switching Capacity	80Gbps
Transmission Method	Store-and-forward
MAC Address Table	16K Entries
Packet Forwarding Ratio	59.52Mpps
MAC Address Learning	Self-learning, auto-aging

Physical

LED Indicators	Network Link/Activity, POE, Power, SYS	Mounting Information	Desktop or rack-mount
Dimensions	320*180*44mm	Maximum Power Consumption (PoE enabled)	320W
Power	100~240V AC, 50/60 Hz	Maximum Power Consumption (PoE disabled)	20W
Power Supply	AC Built in	Standby Power Consumption	4W
PoE Budget	300W	Fans	1 Fan
Temperature	- Operating: 0 to 40 °C (32 to 104 °F) - Storage: -10 to 70 °C (14 to 158 °F)		
Humidity	- Operating: 10% to 90% non-condensing - Storage: 5% to 95% non-condensing		
MTBF	785,576 hours		
Max Heat Dissipation	1091.84 BTU/h		
Certifications	CE		

Quality of Service

QoS	- Port-based/802.1p/DSCP QoS 8 Priority Queues - Priority Schedule Mode - WRR (Weighted Round Robin) - Queue Weight Config
Bandwidth Control	Port-based rate limit

Layer 2 Features

Storm Control	- Multiple Control Modes (kbps/pps) - Broadcast/Multicast/Unknown-Unicast Control
Link Aggregation	Static link aggregation
Loop Prevention	Loop prevention
Flow Control	802.3x flow control
Spanning Tree Protocol	STP / RSTP / edge port
Mirroring	- Port Mirroring - One-to-One - Many-to-One - Ingress/Egress/Both
Port Statistics	- Port Mirror Status - Traffic Statistics
LLDP	802.1ab LLDP
IGMP Snooping	- IGMP v1/v2/v3 snooping - Fast leave
VLAN	- MTU VLAN - Port-based VLAN - QinQ 802.1Q tag VLAN — 1K VID

Management & Maintenance

Management	- WEB network management - D-Lite cloud management - LLDP
Time Management	NTP / SNTP

Order Information

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