

10 Port Gigabit Cloud Managed PoE Switch

DGS-F1100-10SPD

- 8× 100/1000Mbps RJ45 ports + 1× 1Gbps RJ45 port + 1× 1G RJ45/SFP slot
- Compliant with IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x 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 (IEEE 802.3az)
- Support IEEE 802.3at compatible with IEEE 802.3af/at
- RJ45 ports output power up to 30W per port



Features



Gigabit Ports

Eight 10/100/1000Mbps PoE RJ45 ports, on Gigabit uplink, plus a combo 1G RJ45/SFP fibre slot.



802.3at PoE+, 250W Budget

Up to 30W per RJ45 port, IEEE802.3at compatible with 802.3af, on a 250W total PoE budget.



20Gbps Switching Capacity

Store-and-forward switching at 14.88Mpps with a 4K-entry MAC address table and auto-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

IEEE802.3az EEE support with 887.12 BTU/h maximum heat dissipation and 785,576-hour MTBF.

Technical Specifications

DGS-F1100-10SPD

General

Network Interface	8 x 10M/100M/1000Mbps self-negotiating RJ45 PoE ports 1 x 100M/1000Mbps RJ45 port 1 x 100M/1000Mbps RJ45/SFP fibre optical module expansion port (combo)
Transmission Rate	10/100/1000Mbps; each port supports MDI/MDIX auto-flip and auto-negotiation - Network interface: 10BASE-T, 100BASE-TX, 1000BASE-T Ethernet RJ-45 port
Protocols & Standards	- IEEE 802.3 10BASE-T - IEEE 802.3u 100BASE-TX - IEEE 802.3ab 1000BASE-T - IEEE 802.3z 1000BASE-SX - IEEE 802.3z: 1 Gigabit Ethernet over fiber - ANSI/IEEE 802.3 NWay auto-negotiation - IEEE 802.3x Flow Control
PoE Protocol	- IEEE 802.3af (15.4W) - IEEE 802.3at (30W)

Functionality

Switching Capacity	20Gbps
Transmission Method	Store-and-forward
MAC Address Table	4K entries
Packet Forwarding Ratio	14.88 Mpps
MAC Address Learning	Self-learning, auto-aging

Physical

LED Indicators	PoE MAX, Power, UpLink 1, UpLink 2	Mounting Information	Desktop or rack-mount
Dimensions	320 x 180 x 44 mm	Maximum Power Consumption (PoE enabled)	260W
Power	100–240V AC, 50/60 Hz	Maximum Power Consumption (PoE disabled)	10W
Power Supply	AC built in	Standby Power Consumption	3W
PoE Budget	250W	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	887.12 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 — max 32 VLAN groups, 4K VID

Management & Maintenance

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

Order Information

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