

26-Port Layer 2 Gigabit Cloud Managed PoE Switch

DGS-F1100-26PSD-SI

Gigabit High-Speed Networking

- Gigabit ports allow you to connect up to 24 devices for fast file transfers and smooth media streaming
- Two SFP uplink ports allow for additional connections to storage or an uplink network

Power Your Devices

- Supports IEEE 802.3af/at PoE to Power PoE capable Network devices via ethernet cables without need for power adapters. Each port supports up to 30 watts, with a total PoE budget of 350 watts

Flow Control Easy to Use

- Plug and play installation
- IEEE 802.3x Flow Control
- Auto MDI/MDIX crossover for all ports

Eco-friendly and Economical

- Low-cost, innovative design runs reliably and quietly, saving energy and cutting costs without sacrificing performance.

Advanced Management

- Web GUI : Intuitive browser-based configuration for quick setup.
- CLI (Command Line Interface): Advanced control via Telnet/SSH for IT professionals.
- Remote access and centralized management from anywhere.



Lifetime
Free Cloud*



D-Lite
Cloud Connect



Technical Specifications		DGS-F1100-26PSD-SI
General		
Network Interface	• 24 × 10/100/1000 Mbps PoE Ports (Port 1–24) • 1 × 1000 Mbps RJ-45 Port • 2 x Gigabit SFP Ports	
Management Port	• RJ-45 Port	
Transmission Rate	• 10/100/1000 Mbps • Supports Auto MDI/MDIX and Auto-Negotiation • Supports 10BASE-T, 100BASE-TX, 1000BASE-T Ethernet	
Standards	• IEEE802.3 10BASE-T • IEEE 802.3u 100BASE-TX • IEEE802.3ab 1000 BASE-T • IEEE802.3z 1000 BASE-X • ANSI/IEEE 802.3: Auto-Negotiation • IEEE802.3x Flow Control	
PoE Protocol	• IEEE 802.3af (Up to 15.4 W) • IEEE 802.3at (Up to 30 W)	
Functionality		
Switching Capacity	• 52Gbps	
Packet Forwarding	• 38.688 Mpps	
Transmission Method	• Store-and-forward	
MAC Address Table	• 8K Entries	
Packet Buffer Memory	• 4.1 Mbits	
CPU Memory	• DDR3 128 MB	
Flash Memory	• 32 MB	
PoE Ports	• Ports 1–24 Support PoE Output (IEEE 802.3af/at, Up to 30 W per Port)	
Power Budget	• 350 W	
Physical		
LED Indicators	• Per Port: Link/ACT, PoEPer Device: Power, SYS, RST	
Dimensions	• 440 × 180 × 44 mm	
Housing	• Metal	
Power Input	• AC 100–240 V, 50/60 Hz	
Fan	• One (1)	
Power Input	• AC 100–240 V, 50/60 Hz	
Operating Temperature	• 0 to 40°C (32 to 104°F)	
Storage Temperature	• -10 to 70°C (14 to 158°F)	
Operating Humidity	• 10% to 90% (Non-Condensing)	
Storage Humidity	• 5% to 95% (Non-Condensing)	
Lightning Protection	• 6 KV	
Certifications	• CE	

Software Features

Protocol Standard	• IEEE 802.3: Ethernet Media Access Control (MAC) Protocol • IEEE 802.3i: 10BASE-T Ethernet • IEEE 802.3u: 100BASE-TX Fast Ethernet • IEEE 802.3ab: 1000BASE-T Gigabit Ethernet • IEEE 802.3z: 1000BASE-X Gigabit Ethernet (fiber) • IEEE 802.3ad: Standard method for performing link aggregation • IEEE 802.3x: flow control • IEEE 802.1p: LAN Layer 2 Qos/Cos protocol for traffic priority (multicast filtering) • IEEE 802.1d: STP Spanning tree • IEEE 802.1s: MSTP Spanning tree • IEEE 802.1w: RSTP Spanning tree • IEEE 802.3af • IEEE 802.3at
DHCP	• DHCP Snooping
VLAN	• 4K VLAN • MAC VLAN, IP VLAN, Protocol VLAN • VLAN translation
MAC address table	• Comply the IEEE 802.1d standard • MAC address learning and aging automatically • Static, dynamic • MAC ageing time
Security	• Password protection • Based on the port number, IP address, MAC address restrictions on user access • HTTPS, SSL V3, TLS V1, SSH V1/V2 • IP-MAC-PORT ternary binding • IP source protection, DoS protection • DHCP Snooping, DHCP attack protection • 802.1X • Port isolation • CPU protection • Mac Address Count Limit
POE management	• POE power limit • PoE port priority • PoE power supply time period

Software Features

Access control (ACL)	• L2 (Layer 2) ~ L3 (Layer 3) packet filtering • port mirroring, QoS re-marking
Mirror	• Port base mirror support ingress, egress, both • Support 1:1 and N:1 • RSPAN
Quality of Service (QoS)	• 8 port queues • Port priority, 802.1p priority, DSCP priority • SP, WRR, WFQ Priority scheduling algorithm
Spanning Tree	• STP(IEEE 802.1d), RSTP(IEEE 802.1w) and MSTP(IEEE 802.1s) protocol • Mstp support 64 instance • Root bridge protection, TC protection, BPDU protection
Multicast	• IGMP v1/v2 Snooping • Fast leave mechanism • Packet statistics, and unknown multicast discards
Storm suppression	• Multicast suppression • Broadcast suppression • Unknown unicast suppression
Link aggregation	• Static aggregation • Dynamic aggregation • IP, MAC, and hybrid load balancing modes • Up to 8 aggregation groups
Discovery	• LLDP(802.1ab)
Management and maintenance	• Cloud management • WEB network management (HTTP, SSL V3) • CLI (Telnet, SSH V1/V2, local serial port) • SNMP V1/V2 • LLDP, RMON • IP source protection, DoS protection CPU • Monitoring, memory monitoring • System log, grading warning • Ping, Tracert detection, cable detection