

Product Highlights

Virtual Switch Stacking (VSS): Seamlessly stack up to 12 units, allowing for simplified management and enhanced redundancy.

Comprehensive Layer 2 and Layer 3 Features: A rich set of L2 and L3 functionalities, including VLAN, QoS, static routing, and dynamic routing.

Ethernet Ring Protection Switching (ERPS) and Ethernet Automatic Protection Switching (EAPS): Ensure high network availability and rapid recovery in case of link failures.

In-Service Software Upgrade (ISSU): Enables uninterrupted system upgrades, ensuring continuous network operation during software updates.



DGS-F1210-28P

Lite L3 PoE Managed Switch

Features

High-Speed Networking

- 24*10/100/1000 Mbps Ethernet PoE+ ports
- 4 10G SFP+ Uplink

Advance Functions

- Access Control List (ACL)
- DoS Attack Prevention
- ARP Spoofing Protection
- LLDP

Intuitive Management

- Web GUI Http & Https
- SNMP V1, V2c, V3
- Console interface for out-of-band management.
- TFTP Client
- Syslog

PoE Functionality

- 24 x 1G PoE ports
- IEEE 802.3af/at compliant
- 370W total power budget
- Up to 30 W power output per PoE port

The D-Link DGS-F1210-28P Lite L3 PoE Managed Switch that offers advanced features such as Virtual Switch Stacking (VSS) supporting up to 12 units and IP interfaces supporting up to 64 SVIs. This switch also supports dynamic routing protocols including RIP, RIPng, OSPF, and OSPFv3, ensuring seamless and scalable network performance. The D-Link DGS-F1210-28P Lite L3 PoE Managed Switch is meticulously engineered to cater to the dynamic requirements of small to medium-sized business. This switch seamlessly integrates advanced Layer 2 and Layer 3 features, providing versatile deployment options and robust network management capabilities PoE (Power over Ethernet) refers to the power over Ethernet technology.

Versatile and Powerful Network Management

The DGS-F1210-28P is designed to offer a comprehensive solution for SMB networks by combining enhanced hardware capabilities with a rich suite of software features. It supports sophisticated L2 functionalities such as VLAN, QoS, and link aggregation, alongside L3 routing capabilities including static routing. This blend of features ensures that the DGS-F1210-28P can be effectively deployed across a wide range of network topologies, from simple office setups to more complex environments requiring efficient traffic management and high availability.



Enhanced PoE Support

With PoE capabilities, the DGS-F1210-28P simplifies the installation of networked devices such as IP cameras, VoIP phones, and wireless access points. The switch supports IEEE 802.3at PoE, providing up to 30W per port and a total power budget of 193W, which significantly reduces the need for additional power infrastructure and streamlines network deployment.

Security and Control

Security is paramount in modern network environments. The DGS-F1210-28P offers comprehensive security features to protect your network and data. It includes advanced security mechanisms such as Access Control Lists to filter traffic and control network access based on IP and MAC addresses. Storm Control to safeguard against broadcast, multicast, and unknown unicast traffic floods.

Port Security to limit the number of devices accessing a switch port, thereby preventing unauthorized access.

Additionally, the switch supports multiple authentication methods, including 802.1X port-based access control, ensuring only authenticated users can access the network resources.

Quality of Service (QoS) and Traffic Management

The DGS-F1210-28P is equipped with a comprehensive set of QoS features that ensure critical network services such as voice over IP (VoIP), video conferencing, and IPTV receive the bandwidth and priority they require. This includes:

Traffic Prioritization: Differentiating and managing traffic based on various criteria to provide an optimal user experience.

Bandwidth Control: Ensuring each application or service has the necessary bandwidth to function effectively, avoiding network congestion and performance degradation.

Ease of Deployment and Management

Designed with the SMB market in mind, the DGS-F1210-28P features intuitive management interfaces that simplify configuration and ongoing management. The switch supports both web-based GUI and CLI, providing flexible management options suited to different administrative preferences and expertise levels.

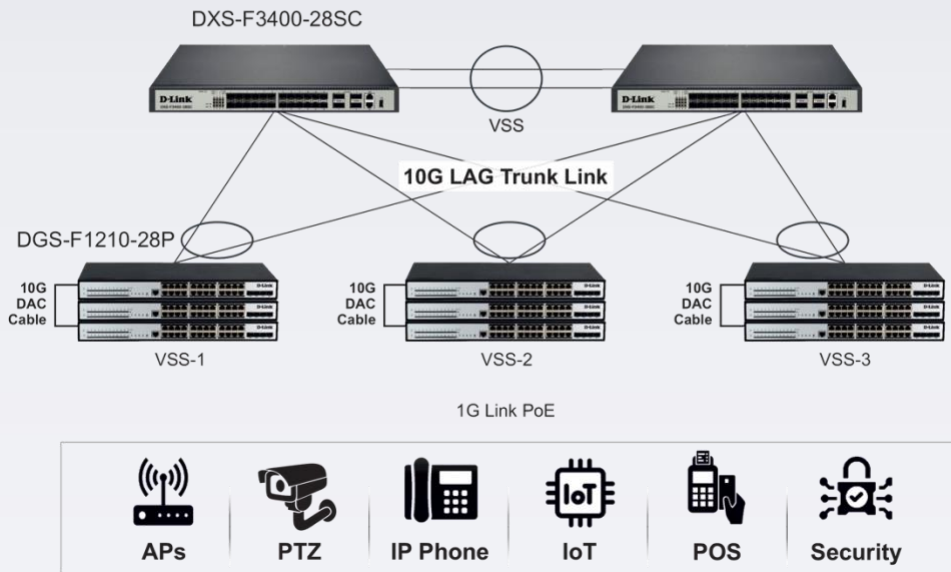
Cost-Effective Solution

Balancing performance and cost, the DGS-F1210-28P delivers enterprise-grade features without the hefty price tag. Its flexible PoE capabilities, advanced security, and management features make it an ideal choice for SMBs looking to enhance their network's reliability and performance while maintaining a cost-effective approach.

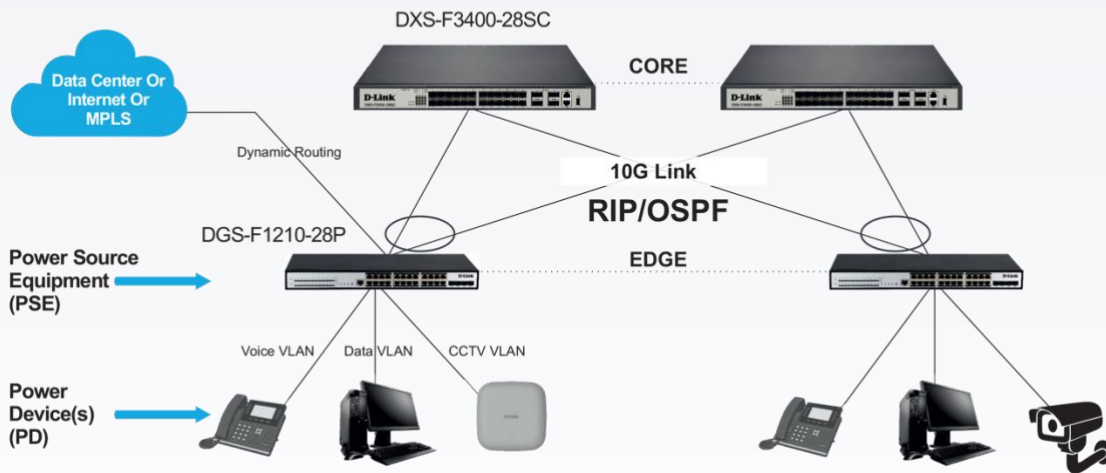
Technical Specifications	
Network Standard	IEEE 802.3: Ethernet Media Access Control (MAC) protocol
	IEEE 802.3i: 10BASE -T Ethernet
	IEEE 802.3u: 100BASE -TX fast Ethernet
	IEEE 802.3ab: 1000BASE -T gigabit Ethernet
	IEEE 802.3z: 1000BASE -X gigabit Ethernet (fiber)
	IEEE 802.3ad: comply link aggregation standard
	IEEE 802.3x: flow control
	IEEE 802.1p: Priority Queues
	IEEE 802.1q: VLAN Bridge operation IEEE 802.1d: STP spanning tree
	IEEE 802.1s: MSTP spanning tree
	IEEE 802.1w: RSTP spanning tree
	IEEE 802.3af (PoE Standard for 15.4W)
	IEEE 802.3at (PoE+ Standard for 30W)
	Ports
4 * 10G SFP+ fiber port	
1 Console port	
PoE	24 10/100/1000Mbps RJ45 port support PoE / PoE+
	Max PoE Budget 370W
	Single port max 30W
LEDs	28 Link/Act LEDs
	24 POE LEDs
	1 Power LEDs
Performance	Forwarding mode: store and forward
	Switching Capacity: 128Gbps
	Packet forwarding rate: 95 Mpps
	16K MAC address table
Software	
VSS	Support Virtual Stacking
	Support up to 4 Switches in single stack
Routing	Support Static Routing IPv4 and IPv6
	Support Dynamic Routing Protocols like RIP v1/v2
	Support OSPFv2, OSPFv3
DHCP	Support DHCP Server, Client, Relay.
	Support DHCP Snooping
	Support DHCP option 82
VLAN	Support 4K VLAN, GVRP
	Support 802.1Q VLAN, Port VLAN, Voice VLAN, Private Vlan
PoE	Support setting the PoE port priority
	Support setting PoE power supply period
	Support setting PoE power on Port
MAC Address Table	Comply the IEEE 802.1d standard
	Support MAC address learning and aging automatically
	Support static, Dynamic, filter address table

Security	Password Protection
	ICMP-echo, DoS protection
	Support DHCP Snooping, DHCP attack protection
	Support port security, port isolation
	Support HTTPS, SSLv3, TLSv1, SSHv1/v2
	Support IP-MAC-Port
	Support 802.1X AAA
	Support ARP Protection, IP Sources Protection, DoS Protection,
Access Control (ACL)	Support L2 (Layer 2) ~ L4 (Layer 4) packet filtering function
	Support port mirroring, one to one/Many to One
Multicast	Support IGMP v1/v2/v3 Snooping
	Support static multicast
	Support multicast VLAN
	Support multicast filtering, message statistics, unknown multicast discarding
QoS	Support 8 port queue
	Support Port Priority, 802.1p priority, DSCP priority
	Support SP, WRR Priority scheduling algorithm
Spanning Tree	Support STP (IEEE 802.1d) RSTP (IEEE 802.1w) and MSTP (IEEE 802.1s) protocol
	Support loop protection, BPDU protection
Management and maintenance	Support WEB management Http & Https
	Support CLI (Telnet, local serial port)
	Support SNMP V1/V2/V3,
	Support LLDP, RMON
	Support IP Source protection
	Support Cable Diagnostic
	Support CPU monitor, Memory monitoring
Support system log, Syslog	
IPv6	Support IPv6 Ping, IPv6 Traceroute, IPv6 Telnet
	Support IPv6 SSH, IPv6 SSL
Link Aggregation	Support Static aggregation
	Support Up to 8 aggregation groups
	In one group max 8 ports
Environment	Operation Temperature: 0° to 50° C
	Storage Temperature: -40° to 70° C
	Operation Humidity: 0% to 90% non-condensing
	Storage Humidity: 0% to 95% non-condensing
Certifications/Compliance	CE, ROHS (on demand)
Altitude	2000 mtr.
Power Input	100-240V AC 50-60Hz
Dimension (LxWxH)	440mm x 210mm x 44mm

EDGE BUNDLE



NETWORK EDGE ARCHITECTURE OVERVIEW



Ordering Information	
Part code	Description
DGS-F1210-28P	24 Gigabit PoE and 4 SFP+ ports Managed Switch
DEM-310GT	1000Base-LX, Single mode 10Km.
DEM-311GT	1000Base-SX, Single mode 500m.