# D-Link®

Product Highlights

High Performance
Gigabit access ports and 10 Gigabit uplinks provide high bandwidth connections for clients, servers, and storage

Flexible Software
Upgradeable software image provides a flexible approach to software management

High Availability
Up to 9 physical switches can be stacked to create a single virtual switch, providing ease of management, fault tolerance and increased network reliability
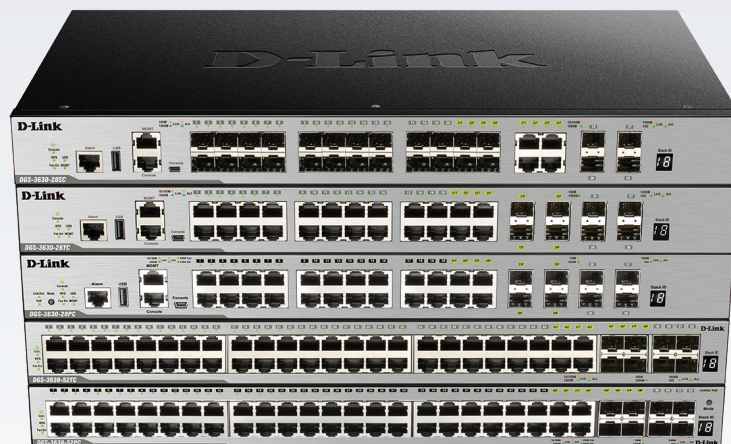
DGS-3630 Series

Layer 3 Stackable Managed Gigabit Switches

Features

High Availability and Flexibility
- 20 or 44 10/100/1000BASE-T ports, or 20 SFP ports
- 4 Combo 10/100/1000BASE-T/SFP ports
- 4 10-Gigabit SFP+ uplink ports
- Switch Resource Management (SRM) for flexible management of system resources
- 6 kV surge protection on all RJ45 access ports
- IEEE 802.3af/at PoE support (DGS-3630-28PC and DGS-3630-52PC models)

Reliability
- Redundant Power Supply (RPS) support
- IEEE 802.1D/802.1w/802.1s Spanning Tree
- Loopback Detection (LBD)
- Ethernet Ring Protection Switching (ERPS)

High Bandwidth Stacking
- Physical stacking up to 9 units, 432 GbE ports
- Supports long-distance stacking over fiber
- 80 Gbps per device physical stacking bandwidth

Operations, Administration and Maintenance
- IEEE 802.3ah Ethernet Link OAM
- IEEE 802.1ag/ITU-T Y.1731 Service OAM

Easy Management
- RJ45/mini-USB console port
- Management and alarm ports
- USB port for firmware and configuration files
- Easy-to-use web GUI
- Industry standard CLI

Overview

The DGS-3630 Series Layer 3 Stackable Managed Switches are designed for Small Medium Businesses (SMBs), Small Medium Enterprises (SMEs), larger Enterprises, and Internet Service Providers (ISPs). They deliver high performance, flexibility, fault tolerance, and advanced software features for maximum return on investment. With Gigabit Ethernet RJ45 and SFP ports, 10 GbE SFP+ ports, advanced security features, and advanced Quality of Service (QoS), the DGS-3630 switches can operate as core, distribution or access layer switches. High port densities, switch stacking, and easy management make the DGS-3630 Series switches ideal for a wide variety of business networking applications.

Standard and Enhanced Software Images

The DGS-3630 Series switches include the Standard Image (SI) software. For additional functionality, they may be upgraded to Enhanced Image (EI) software with a separately ordered license upgrade. The Standard Image provides core SMB and SME functionality, such as L2 switching, entry-level routing, L2 multicast, advanced QoS, Operations, Administration, and Maintenance (OAM), and robust security features. The Enhanced Image includes all the features from the Standard Image, and adds support for full L3 routing for Enterprise integration, including OSPF, BGP, VRF-Lite and L3 multicast.

This approach allows I.T. managers to deploy a lower cost L2/L2+ solution today, and upgrade to a L3 solution in the future when networking needs change and a full dynamic routing solution is required.

High Availability and Flexibility

The DGS-3630 Series switches support stacking technology, which combines multiple switches to form a single physical[1] or virtual stack. This increases redundancy over multiple physical units, simplifies management, and provides a single IP address to manage all members in the stack. Up to nine switches can be stacked using Direct Attach Copper (DAC) or fiber optic cables to make up to 432 Gigabit Ethernet ports available, allowing switching capacity to be increased with demand. The Switch Resource Management (SRM) feature allows the hardware table sizes to be dynamically changed, so that switch functions can be optimized based on the use of the switch. There are three modes: IP Mode, LAN Mode, and L2 VPN Mode. These modes modify the sizes of the Layer 2 and 3 tables for optimum efficiency.

Switch and Link Failover

In addition to traditional Spanning Tree Protocol (STP), Rapid Spanning Tree Protocol (RSTP), and Multiple Spanning Tree Protocol (MSTP), the DGS-3630 Series switches also support advanced Ethernet failover redundancy technologies, such as ERPS and FlexLink. Ethernet Ring Protection Switching (ERPS) provides millisecond-level failover in a ring topology. FlexLink offers link failover on designated switch ports, providing link redundancy without STP or LBD.

Security, Performance and Availability

The DGS-3630 Series switches provide a complete set of security features including multi-layer Access Control Lists (ACLs) and 802.1X user authentication via TACACS+ and RADIUS. The DGS-3630 switches also offer extensive VLAN support, including GVRP and 802.1Q VLAN to enhance security and performance. A robust set of QoS features help ensure that critical network services such as Voice over IP and video conferencing are given high priority through the network. The D-Link Safeguard Engine increases the switches' reliability, serviceability, and availability by preventing traffic flooding caused by malicious attacks.

Versatile Management

The DGS-3630 Series switches can be managed by an industry-standard Command Line Interface (CLI), an intuitive web-based Graphical User Interface (GUI), and the D-Link Network Assistant Utility. In addition, support for SNMP allows centralized management of a large number of devices, and out-of-band management is available via a dedicated console port. A mini-USB console port allows the DGS-3630 Series switches to be managed without any extra connectors, and a USB Type A port can be used to store logs, configuration, and firmware images. The DHCP auto-configuration and auto-image features can also be used to deploy multiple switches automatically, saving costs with larger deployments.

Power over Ethernet (PoE) Support

The DGS-3630-28PC and DGS-3630-52PC models feature Power over Ethernet, which allows PoE-powered devices to be powered by the switch through a standard Ethernet cable. Both models support the IEEE 802.3af PoE and IEEE 802.3at PoE+ standards, providing up to 30W of power per port. PoE effectively reduces deployment time for devices such as IP cameras, VoIP phones, and access points, and eliminates the cost for additional electrical cabling. Both models feature a 370W PoE power budget which can be increased to 740W when outfitted with the DPS-700 redundant power supply, allowing the switches to power even more devices. Additionally, an extended Link Layer Discovery Protocol (LLDP) automatically negotiates and manages the power feed to IEEE 802.3at PoE+ powered devices for optimal power distribution.

6 kV Surge Protection

The DGS-3630 Series switches feature built-in 6 kV surge protection on all PoE and non-PoE Ethernet access ports. This effectively protects the switches against sudden electrical surges caused events such as lightning strikes or unstable electrical current. Built-in 6 kV surge protection significantly reduces the chances of equipment being damaged from electrical surges, and effectively lowers maintenance costs by minimizing the need for expensive equipment repairs or replacement.

D-Link Green Technology

The DGS-3630 Series switches feature D-Link Green technology, which includes a power-saving mode, smart fan feature, reduced heat dissipation, and cable length detection. The power-saving feature automatically powers down ports that have no link or link partner, and ensures that LEDs are shut off when not needed. The smart fan[2] feature allows for the built-in fans to automatically turn on only at a certain temperature, providing continuous, reliable, and ecofriendly operation of the switch.

Lifetime Warranty and NBD Replacement

D-Link offers a Lifetime Warranty and Next Business Day (NBD) hardware replacement on the DGS-3630 Series of Layer 3 Stackable Managed Gigabit Switches to further its commitment to product quality and long-term customer confidence. [6]
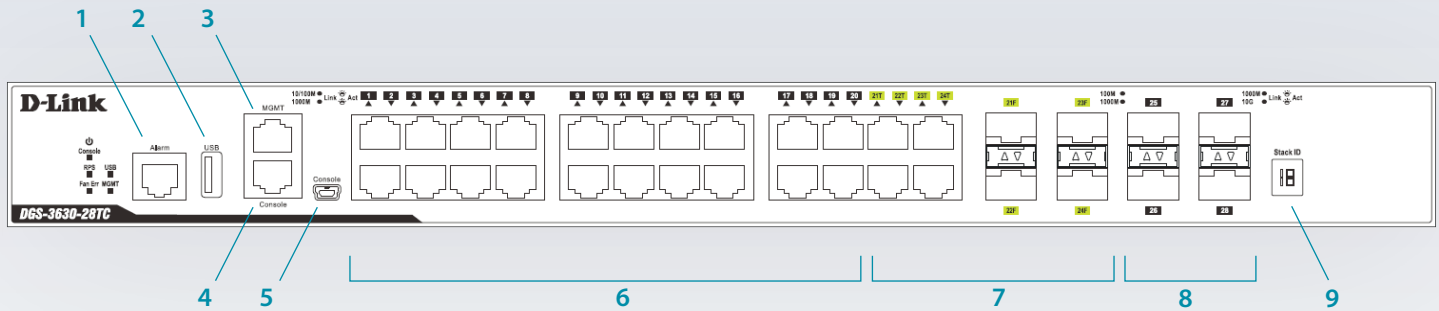
#	Label	Description
1	**Alarm**	RJ45 (8 pins) port provides external alarm detection.
2	**USB**	USB 2.0 Type-A port provides additional storage space for portable firmware images and configuration files.
3	**MGMT**	RJ45 Management port. IP-based, 10/100/1000 Out-of-Band port for Telnet, web, or SNMP management. Can be used to configure the switch without being connected to the network.
4	**Console**	RJ45 console port. Used to connect to the switch CLI for configuration, management, and monitoring. Special console cable (included) with DB9 interface connects the switch to the PC serial port (COM).
5	**Console**	Mini-USB console port. Can be used to connect to the switch CLI for configuration, management, and monitoring.
6	**Gigabit Ports**	Depends on model: 20 x 10/100/1000 RJ45, 44 x 10/100/1000 RJ45 ports, or 20 x 100/1000 SFP ports.
7	**Combo Ports**	4 Combo ports. Can either operate as RJ45 (10/100/1000) ports or SFP (100/1000) ports.
8	**10GbE Ports**	4 SFP/SFP+ ports can operate at 1 Gbps and 10 Gbps speeds. Used for uplinks/stacking.
9	**Stack ID**	Displays Switch stacking number.

Technical Specifications

	DGS-3630-28TC	DGS-3630-28SC	DGS-3630-28PC	DGS-3630-52TC	DGS-3630-52PC
General					
10/100/1000BASE-T Ports	20	—	20	44	44
Gigabit SFP Ports	—	20	—	—	—
Combo Ports (10/100/1000BASE-T or SFP)	4	4	4	4	4
10 Gigabit SFP+ Ports	4	4	4	4	4
Console Port	RJ45 and Mini USB console ports for out-of-band CLI management				
Management Port	10/100/1000BASE-T RJ45 Ethernet for out-of-band IP management				
Alarm Port	RJ45	RJ45	RJ45	RJ45	RJ45
USB Port	USB 2.0 Type A	USB 2.0 Type A	USB 2.0 Type A	USB 2.0 Type A	USB 2.0 Type A
Optional Redundant Power Supply	DPS-500A	DPS-500A	DPS-700	DPS-500A	DPS-700

Performance					
Switch Capacity	128 Gbps	128 Gbps	128 Gbps	176 Gbps	176 Gbps
Packet Forwarding Rate	95.24 Mpps	95.24 Mpps	95.24 Mpps	130.95 Mpps	130.95 Mpps
Packet Buffer	4 MBytes	4 MBytes	4 MBytes	4 MBytes	4 MBytes
MAC Address Table	68K entries[3]	68K entries[3]	68K entries[3]	68K entries[3]	68K entries[3]
IPv4 Routing Table	16K entries	16K entries	16K entries	16K entries	16K entries
IPv6 Routing Table	7K entries	7K entries	7K entries	7K entries	7K entries
IPv4 Forwarding Table	32K entries[3]	32K entries[3]	32K entries[3]	32K entries[3]	32K entries[3]
IPv6 Forwarding Table	16K entries[3]	16K entries[3]	16K entries[3]	16K entries[3]	16K entries[3]
Jumbo Frame Size	12 KBytes	12 KBytes	12 KBytes	12 KBytes	12 KBytes
Power over Ethernet					
PoE Standards	—	—	802.3af/at	—	802.3af/at
PoE Enabled Ports	—	—	Ports 1 - 24	—	Ports 1 - 48
PoE Power Budget	—	—	370 W 740 W with DPS-700	—	370 W 740 W with DPS-700
Physical and Environmental					
MTBF	300,190 hours	280,612 hours	259,223 hours	263,936 hours	199,930 hours
Acoustics	52.7 dB(A)	56 dB(A)	48.2 dB(A)	53.9 dB(A)	51.9 dB(A)
Heat Dissipation	145 BTU/hr	217 BTU/hr	1600 BTU/hr	212 BTU/hr	1654 BTU/hr
Power Input	100 to 240 VAC 50/60 Hz	100 to 240 VAC 50/60 Hz	100 to 240 VAC 50/60 Hz	100 to 240 VAC 50/60 Hz	100 to 240 VAC 50/60 Hz
Max Power Consumption	42.4 W	63.6 W	PoE off: 44.3 W PoE on: 469.3 W	62.0 W	PoE off: 54.1 W PoE on: 485 W
Standby Power Consumption	28.1 W	30.1 W	34.6 W	36.0 W	44.6 W
Dimensions	17.4 x 10.2 x 1.73 in. (441 x 260 x 44 mm)	17.4 x 10.2 x 1.73 in. (441 x 260 x 44 mm)	17.4 x 15.0 x 1.73 in. (441 x 380 x 44 mm)	17.4 x 10.2 x 1.73 in. (441 x 260 x 44 mm)	17.4 x 15.0 x 1.73 in. (441 x 380 x 44 mm)
Weight	8.25 lbs (3.74 kg)	8.36 lbs (3.79 kg)	12.96 lbs (5.88 kg)	8.91 lbs (4.04kg)	13.89 lbs (6.30 kg)
Ventilation	2 Smart Fans[2]	2 Smart Fans[2]	4 Smart Fans[2]	2 Smart Fans[2]	4 Smart Fans[2]
Operating Temperature	23°F to 122°F (-5°C to 50°C)				
Storage Temperature	-40°F to 158°F (-40°C to 70°C)				
Operating Humidity	10% to 95% RH				
Storage Humidity	5% to 95% RH				
Surge Protection	6 kV surge protection on all Ethernet access ports				
Safety Certifications	cUL, CB, CE, CCC, BSMI				
EMI/EMC	CE, FCC Class A, C-Tick, VCCI, BSMI, CCC				
IPv6 Ready Certification	IPv6 Ready Logo Phase 2				

Software Features		
Standard Image (SI)		

Stackability	Physical stacking
	  • Up to 80G stacking bandwidth
	  • Up to 9 switches in a stack
	  • Ring/chain topology support
		Virtual Stacking/clustering of up to 32 units
		  • Supports D-Link single IP Management
		  • Up to 20 Gbps stacking bandwidth

L2 Features	MAC Address Table : up to 68K entries[3]
	Flow Control
	  • 802.3x Flow Control when using Full Duplex
	  • HOL Blocking Prevention
	Spanning Tree Protocol
	  • 802.1D STP
	  • 802.1w RSTP
	  • 802.1s MSTP
	  • Root Guard
	  • Loop Guard
	Jumbo Frame: up to 12 KBytes
	802.1AX Link Aggregation
	  • Max. 32 groups per device, 8 ports per group
		ERPS (Ethernet Ring Protection Switching) version 2
		Port Mirroring
		  • Supports One-to-One, Many-to-One
		  • Supports Mirroring for Tx/Rx/Both
		  • Supports 4 mirroring groups
		Flow Mirroring
		  • Supports Mirroring for Rx
		VLAN Mirroring
		RSPAN
		L2 Protocol Tunneling

VLAN	802.1Q
	802.1v Protocol-based VLAN
	Double VLAN (Q-in-Q)
	  • Port-based Q-in-Q
	  • Selective Q-in-Q
	Port-based VLAN
	MAC-based VLAN
	Subnet-based VLAN
	Private VLAN
		VLAN Group
		  • Max. 4K VLAN groups
		  • Max. 4094 VIDs
		Multicast VLAN (ISM VLAN for IPv4/IPv6)
		Voice VLAN
		Auto Surveillance VLAN
		VLAN Trunking
		GVRP: Up to 4K dynamic VLANs
		Asymmetric VLAN

L2 Multicast	MLD Snooping
	  • MLD v1/v2 Snooping
	  • Supports up to 4K MLD groups[3]
	  • Host-based MLD Snooping Fast Leave
	  • Supports 64 static MLD groups
	  • MLD Snooping Querier
	  • Per VLAN MLD Snooping
	  • MLD Proxy Reporting
		IGMP Snooping
		  • IGMP v1/v2/v3
		  • Supports up to 8K IGMP groups[3]
		  • Supports 64 static IGMP groups
		  • Per VLAN IGMP Snooping
		  • IGMP Snooping Querier
		  • Host-based IGMP Snooping Fast Leave
		PIM Snooping

L3 Features	IPv4 ARP/IPv6 ND: support up to 32K/16K[3]
	  • 512 Static ARP
	Gratuitous ARP
	IP Interface
	  • Supports 256 interfaces
	Loopback Interface
	Proxy ARP
	  • Support local ARP proxy
		IPv6 Tunneling
		  • Static
		  • ISATAP
		  • GRE
		  • 6to4
		VRRP v2/v3
		IP Helper

L3 Routing	Supports 16K hardware routing entries shared by IPv4/IPv6
	  • 1 entry consumed by each IPv4 route
	  • 2 entries consumed by each IPv6 route
	Supports up to 32K hardware L3 forwarding entries shared by IPv4/IPv6 [3]
	  • 1 entry consumed by each IPv4 route
	  • 2 entries consumed by each IPv6 route
	Static Route
	  • Max. 512 IPv4 entries
	  • Max. 256 IPv6 entries
	IPv4/IPv6 Default Route
		PBR (Policy-based Route)
		Null Route
		Route Preference
		Route Redistribution
		Graceful Restart (GR) Helper
		BFD (Bidirectional Forwarding Detection)
		  • IPv4/v6 Static Route
		  • RIP
		  • VRRP
		RIPv1/v2/ng

L3 Multicast	IGMP/MLD Filtering	

QoS (Quality of Service)	802.1p
	8 queues per port
	Queue Handling
	  • Strict Priority (SP)
	  • Weighted Round Robin (WRR)
	  • Strict + WRR
	  • Weighted Deficit Round Robin (WDRR)
	Congestion Control
	  • Weighted Random Early Detection (WRED)
	802.1Qbb Priority-based Flow Control (PFC) for 10 GbE ports
	Bandwidth Control
	  • Port-based (Ingress/Egress, min. granularity 8 Kb/s)
	  • Flow-based (Ingress/Egress, min. granularity 8 Kb/s)
	  • Per queue bandwidth control (min. granularity 8 Kb/s)
	Policy Map
	  • Remark 802.1p priority
	  • Remark IP precedence/DSCP
	  • Time based QoS
		CoS based on:
		  • Switch Port
		  • Inner/ outer 802.1p Priority
		  • Inner/ outer VID
		  • MAC address
		  • Ether Type
		  • IP address
		  • ToS/IP Preference
		  • DSCP
		  • Protocol Type
		  • TCP/UDP port
		  • IPv6 Traffic Class
		  • IPv6 Flow Label
		Three Color Marker
		  • trTCM
		  • srTCM

ACL (Access Control List)	ACL based on:
	  • 802.1p priority
	  • VID
	  • MAC address
	  • EtherType
	  • LLC
	  • VLAN
	  • IP address
	  • IP preference/ToS
	  • DSCP mask
	  • Protocol type
	  • TCP/UDP port number
	  • IPv6 Traffic Class
	  • IPv6 Flow Label
		Max. ACL entries:
		  • Ingress (hardware entries): 4K
		  • Egress (hardware entries): 1K
		  • VLAN Access Map Numbers: 3K
		Time-based ACL

Green	Energy Effeciency Ethernet (EEE) Power Saving By Link Status Power Saving By Cable Length	Power Saving By LED Shut-Off Power Saving By Port Shut-Off Power Saving By System Hibernation

Security	Port Security
	  • Supports up to 12K MAC addresses per port/VLAN/system
	Broadcast/Multicast/Unicast Storm Control
	D-Link Safeguard Engine
	DHCP Server Screening
	Dynamic ARP Inspection
	IP Source Guard
	DHCP Snooping
	IPv6 Snooping
	Dynamic ARP Inspection (DAI)
	DHCPv6 Guard
	IPv6 Route Advertisement (RA) Guard
	IPv6 ND Inspection
	Duplicate Address Detection (DAD)
		ARP Spoofing Prevention
		  • Max. 64 entries
		L3 Control Packet Filtering
		Unicast Reverse Path Forwarding (URPF)
		Traffic Segmentation
		SSL
		  • Supports TLS 1.0/1.1/1.2 [5]
		  • Supports IPv4/IPv6 access
		SSH
		  • Supports SSH v2
		  • Supports IPv4/IPv6 access
		BPDU Attack Prevention
		DOS Attack Prevention
		NetBIOS/NetBEUI filtering

AAA	802.1X Authentication
	  • Supports Port/Host-based access control
	  • Identity-driven Policy Assignment
	  • Dynamic VLAN Assignment
	  • Bandwidth Control Assignment
	  • ACL Assignment
	Web-based Access Control (WAC)
	  • Supports Port/Host-based access control
	  • Identity-driven Policy Assignment
	  • Dynamic VLAN Assignment
	  • Bandwidth Control Assignment
	  • ACL Assignment
	  • Support IPv4/IPv6 access
	  • Support HTTPS
	Compound Authentication
		MAC-based Access Control (MAC)
		  • Supports Port/Host-based access control
		  • Identity-driven Policy Assignment
		  • Dynamic VLAN Assignment
		  • Bandwidth Control Assignment
		  • ACL Assignment
		Guest VLAN
		Microsoft® NAP
		  • Support 802.1X NAP
		  • Support DHCP NAP
		Privilege Level for Management Access
		RAIDUS and TACACS+ Authentication
		Authentication Database Failover
		RADIUS/TACACS+ Accounting

OAM (Operations, Administration and Maintenance)	Cable Diagnostics 802.3ah Ethernet Link OAM D-Link Unidirectional Link Detection (DULD) Dying gasp	802.1ag Connectivity Fault Management (CFM) Y.1731 OAM Optical Transceiver Digital Diagnostic Monitoring (DDM)

Management	NTPv3/v4
	Precision Time Protocol (PTP)
	Web-based GUI
	  • Support IPv4/IPv6 access
	  • Support SSL (HTTPS)
	Command Line Interface (CLI)
	Telnet Server for IPv4/IPv6 access
	Telnet Client for IPv4/IPv6
	SNMP
	  • Support v1/v2c/v3
	  • Support IPv4/IPv6 access
	SNMP Trap
	TFTP Client for IPv4/IPv6
	FTP Client for IPv4/IPv6
	IPv4 SFTP Server
	RCP
	System Log for IPv4/IPv6 Syslog Server
	SMTP
	RMONv1
	  • Supports 1,2,3,9 groups
	RMONv2
	  • Supports ProbeConfig group
		Command Logging
		LLDP/LLDP-MED
		D-Link Discover Protocol (DDP)
		DHCP Client option 12
		DHCP Auto-configuration
		DHCP Auto-image
		DHCP Relay option 60/61/62/18/37/125
		DHCP/DHCPv6 Local Relay
		DHCP Server
		  • Support IPv4/IPv6 address assignment
		DHCPv6 Prefix Delegation (PD)
		Multiple Images/ Multiple Configurations
		DNS Relay for IPv4/IPv6
		DNS Client for IPv4/IPv6
		Debug Command
		Password Recovery/ Encryption
		Ping/ Traceroute for IPv4/IPv6
		Microsoft® Network Load Balancing (NLB)
		Switch Resource Management (SRM)
		sFlow
		D-Link License Management System (DLMS)

Enhanced Image (EI)   (includes all SI features plus the following)

VLAN	Super VLAN	

L3 Routing	BGP
	  • BGPv4/v4+
	  • 4bytes AS
	  • Text/MD5 for BGPv4
	VRF-Lite
	  • IPv4 Static Route
	  • RIPv1/v2
	  • OSPFv2
	  • BGPv4
		Bidirectional Forwarding Detection (BFD) for OSPF
		OSPF
		  • OSPF v2/v3
		  • OSPF passive interface
		  • Stub/NSSA area
		  • OSPF equal cost route
		  • Text/MD5 for OSPFv2

L3 Multicast	IGMPv1/v2/v3 MLDv1/v2 IGMP/MLD Proxy DVMRPv3	PIM SDM (Sparse-Dense Mode)/SSM PIM-DM/SM for IPv4/IPv6 [5] SSM Mapping for IPv4/IPv6 Multicast Source Discovery Protocol (MSDP)

MIB/IETF Standards

- RFC1065, RFC1066, RFC1155, RFC1156, RFC2578 MIB Structure
- RFC1212 Concise MIB Definitions
- RFC1213 MIBII
- RFC1215 MIB Traps Convention
- RFC1493, RFC4188 Bridge MIB
- RFC1157, RFC2571, RFC2572, RFC2573, RFC2574, RFC2575, RFC2576 SNMP MIB
- RFC1442, RFC1901, RFC1902, RFC1903, RFC1904, RFC1905, RFC1906, RFC1907, RFC1908, RFC2578, RFC3418, RFC3636 SNMPv2 MIB
- RFC271, RFC1757, RFC2819 RMON MIB
- RFC2021 RMONv2 MIB
- RFC1398, RFC1643, RFC1650, RFC2358, RFC2665, RFC3635 Ether-like MIB
- RFC2668 802.3 MAU MIB
- RFC2674, RFC4363 802.1p MIB
- Interface Group MIB
- RFC2618 RADIUS Authentication Client MIB
- RFC4022 MIB for TCP
- RFC4113 MIB for UDP
- RFC2620 RADIUS Accounting Client MIB
- RFC2925 Ping & TRACEROUTE MIB
- TFTP uploads and downloads (D-Link MIB)
- Trap MIB (D-Link MIB)
- RFC4293 IPv6 MIB
- RFC4293 ICMPv6 MIB
- Entity MIB
- RIPv2 MIB
- OSPF MIB
- IPv4 Multicast Routing MIB
- PIM MIB for IPv4
- IP Forwarding Table MIB
- RFC4884 Extended ICMP to support Multi-Part Messages[5]
- RFC4293 IPv6 SNMP Mgmt Interface MIB
- DDM MIB (D-Link MIB)
- Private MIB
- MIB for D-Link Zone Defense
- DDP MIB
- LLDP-MED MIB
- RFC791 IP
- RFC768 UDP
- RFC793 TCP
- RFC792 ICMPv4
- RFC2463, RFC4443 ICMPv6
- RFC826 ARP
- RFC1338, RFC1519 CIDR
- RFC2474, RFC3168, RFC3260 Definition of the DS Field in the IPv4 and IPv6 Headers
- RFC1321, RFC2284, RFC2865, RFC2716, RFC1759, RFC3580, RFC3748 Extensible Authentication Protocol (EAP)
- RFC2571 SNMP Framework
- RFC2572 SNMP Message Processing and Dispatching
- RFC2573 SNMP Applications
- RFC2574 User-based Security Model for SNMPv3
- RFC1981 Path MTU Discovery for IPv6
- RFC2460 IPv6
- RFC2461, RFC4861 Neighbor Discovery for IPv6
- RFC2462, RFC4862 IPv6 Stateless Address Auto-configuration
- RFC2464 IPv6 over Ethernet and definition
- RFC2767 Dual Stack Hosts using the 'Bump-In-the-Stack' Technology
- RFC3513, RFC4291 IPv6 Addressing Architecture
- RFC2893, RFC4213 IPv4/IPv6 dual stack function
- RFC3484 Default Address Selection for Internet Protocol version 6

Ordering Information

Model Number	Description	Warranty
DGS-3630-28TC/SI	20x10/100/1000BASE-T ports + 4xCombo 10/100/1000BASE-T/SFP ports + 4x10 GbE SFP+ ports L3 Stackable Managed Switch with Standard Image [4]	Lifetime [6]
DGS-3630-28SC/SI	20xSFP ports + 4xCombo 10/100/1000BASE-T/SFP ports + 4x10 GbE SFP+ ports L3 Stackable Managed Switch with Standard Image [4]	Lifetime [6]
DGS-3630-28PC/SI	20x10/100/1000BASE-T PoE ports + 4xPoE Combo 10/100/1000BASE-T/SFP ports + 4x10 GbE SFP+ ports L3 Stackable Managed Switch with Standard Image [4]	Lifetime [6]
DGS-3630-52TC/SI	44x10/100/1000BASE-T ports + 4xCombo 10/100/1000BASE-T/SFP ports + 4x10 GbE SFP+ ports L3 Stackable Managed Switch with Standard Image [4]	Lifetime [6]
DGS-3630-52PC/SI	44x10/100/1000BASE-T PoE ports + 4xPoE Combo 10/100/1000BASE-T/SFP ports + 4x10 GbE SFP+ ports L3 Stackable Managed Switch with Standard Image [4]	Lifetime [6]

Optional License Upgrades

DGS-3630-28TC-SE-LIC	DGS-3630-28TC Standard Image to Enhanced Image Upgrade License
DGS-3630-28SC-SE-LIC	DGS-3630-28SC Standard Image to Enhanced Image Upgrade License
DGS-3630-28PC-SE-LIC	DGS-3630-28PC Standard Image to Enhanced Image Upgrade License
DGS-3630-52TC-SE-LIC	DGS-3630-52TC Standard Image to Enhanced Image Upgrade License
DGS-3630-52PC-SE-LIC	DGS-3630-52PC Standard Image to Enhanced Image Upgrade License

Optional 10 Gbps SFP+ Optical Transceivers

DEM-431XT-DD	10GBASE-SR Transceiver, multimode, DDM, 80/300M
DEM-432XT-DD	10GBASE-LR Transceiver, single-mode DDM, 10KM

Optional 1 Gbps SFP Optical Transceivers

DGS-712	1000BASE-T SFP Transceiver
DEM-310GT	1000BASE-LX SFP Transceiver, 10KM
DEM-311GT	1000BASE-SX SFP Transceiver, up to 550M

Optional 10 Gbps Direct Attach Copper (DAC) Cables

DEM-CB100S	1M (40") 10G Direct Attach Cable for Data/Stacking
DEM-CB300S	3M (118") 10G Direct Attach Cable for Data/Stacking

Optional Redundant Power Supplies

DPS-500A	Redundant Power Supply Unit, 140 Watt RPSU
DPS-700	Redundant Power Supply Unit, 589 Watt RPSU

Optional Management Software	
DV-700	D-View 7 Network Management System
DV-700-N25-LIC	D-View 7 NMS - 25 Node License Upgrade
DV-700-N50-LIC	D-View 7 NMS - 50 Node License Upgrade
DV-700-N100-LIC	D-View 7 NMS - 100 Node License Upgrade
DV-700-N250-LIC	D-View 7 NMS - 250 Node License Upgrade
DV-700-N500-LIC	D-View 7 NMS - 500 Node License Upgrade
DV-700-N1000-LIC	D-View 7 NMS - 1000 Node License Upgrade
DV-700-P5-LIC	D-View 7 NMS - 5 Probe License Upgrade
DV-700-P25-LIC	D-View 7 NMS - 25 Probe License Upgrade

[1] Only DGS-3630 Series switches with the same image version can be physically stacked. For example, a DGS-3630 Series switch running the Standard Image can only be stacked with another DGS-3630 Series switch running the Standard Image.
[2] For non-PoE models, by default, the fan speed is low. When the temperature inside the chassis exceeds 36 °C (97 °F), the fans switch to high speed until the temperature drops below 33 °C (91 °F). For PoE models, by default, the fan speed is low. When the temperature inside the chassis exceeds 37 °C (98 °F), the fans switch to high speed. When the temperature in the chassis reaches between 22 °C to 27 °C (71 °F to 80 °F), the fans switch to medium speed. When the temperature inside the chassis drops below 22 °C (71 °F), the fans switch to low speed.
[3] Based on maximum value of Switch Resource Management (SRM).
[4] Stacking cables and USB flash card not included.
[5] Supported in firmware revision R2.0.
[6] Lifetime Warranty available in U.S.A. only. Lifetime Warranty void when not purchased from Authorized US D-Link Reseller. Please visit us.dlink.com for list of Authorized US Resellers.

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For more information

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