

## Product Highlights

### Feature-Rich Software

An integrated software image provides powerful L2 and L3 features to fulfill different applications' requirements, capable of building solid, reliable networks

### Embedded 10G Ports

Six embedded high-speed 10G ports simplify the network deployment by providing versatile options for uplink connections

### Scalability and High Availability

Physical stacking provides agile expansion and redundancy while reliability through fault tolerant topologies ensures rock-solid connectivity



## DGS-3130 Series

# Gigabit Layer 3 Stackable Managed Switches

## Features

### High Availability and Flexibility

- 24 or 48 10/100/1000BASE-T non-PoE ports
- 24 or 48 10/100/1000BASE-T PoE ports
- 24 or 48 SFP ports
- 2 10GBASE-T and 4 10G SFP+ embedded uplink ports

### Reliability

- Redundant power supply (RPS) support
- Ethernet Ring Protection Switching (ERPS)
- Embedded 6 kV surge protection on all Gigabit Ethernet ports and on all GE RJ-45 access ports
- IEEE 802.1D/802.1w/802.1s Spanning Tree
- Loopback Detection (LBD)

### L3 Features

- Static Route
- RIP/RIPng
- OSPFv2/v3

### Operations, Administration and Maintenance

- IEEE 802.3ah Ethernet Link OAM
- IEEE 802.1ag/ITU-T Y.1731 Service OAM

### High Bandwidth Stacking

- Physical stack of up to 9 units
- Supports long-distance stacking over fiber
- 80 Gbps per device physical stacking bandwidth

The DGS-3130 Series Gigabit Layer 3 Stackable Managed Switches are designed to address the needs of small to medium-sized business networks by incorporating L2 and L3 features that enable the switches to be deployed in a variety of environments and topologies. Together the hardware and software enhancements combine to create a family of powerful, flexible and cost-effective switches. The DGS-3130 Series allows multiple switches to be connected to form a single physical 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. The DGS-3130 Series includes the latest security features such as Multi-layer and Packet Content Access Control Lists (ACL), Storm Control, and IP-MAC-Port Binding (IMPB) with DHCP Snooping. The DGS-3130 Series supports multiple authentication mechanisms such as 802.1X, Web-based Access Control (WAC), and MAC-based Access Control (MAC) for strict access control and easy deployment. A rich set of multilayer QoS/CoS features to ensure that critical network services such as VoIP, video conferences, IPTV, and IP surveillance are always given high priority.

## D-Link Assist

Next Business Day Service

Your network is the backbone of your business. Keeping it running is essential, even if the unexpected happens. D-Link Assist is a rapid-response technical support service that replaces faulty equipment quickly and efficiently. Maximising your uptime and giving you the confidence that instant support is only a phone call away.

All D-Link products with 5-year or Limited Lifetime warranty come with complimentary Next Business Day Service. D-Link will send out a replacement product to you on the next business day after acceptance of a product failure. On receipt of the replacement product, you simply arrange the return of the defective product to us. Any products with a 2-year/3-year warranty can also benefit from the Next Business Day advance replacement service when the optional 3-year warranty extension has been purchased.

Find out more at [eu.dlink.com/services](http://eu.dlink.com/services)

**Technical Specifications**

Interfaces	DGS-3130-30TS	DGS-3130-30S	DGS-3130-30PS
Ports	<ul style="list-style-type: none"> <li>• 24 x 10/100/1000BASE-T ports</li> <li>• 2 x 10GBASE-T ports</li> <li>• 4 x 10G SFP+ ports</li> </ul>	<ul style="list-style-type: none"> <li>• 24 x SFP ports</li> <li>• 2 x 10GBASE-T ports</li> <li>• 4 x 10G SFP+ ports</li> </ul>	<ul style="list-style-type: none"> <li>• 24 x 10/100/1000BASE-T PoE ports</li> <li>• 2 x 10GBASE-T ports</li> <li>• 4 x 10G SFP+ ports</li> </ul>
Optional Redundant Power Supply	• DPS-500A	• DPS-500A	• DPS-700
Console Port	10/100/1000BASE-T RJ-45 port for out-of-band CLI management		
Management Port	10/100/1000BASE-T RJ-45 port for out-of-band IP management		
Stacking Ports	4		
Stacking Cost <sup>1</sup>	1		
USB Ports	1 x USB 2.0 Type A port		
Performance			
Switching Capacity	168 Gbps		
64-Byte Packet Forwarding Rate	125 Mpps		
Packet Buffer Memory	2 MB		
PoE			
PoE Standards	-	-	<ul style="list-style-type: none"> <li>• IEEE 802.3af</li> <li>• IEEE 802.3at</li> </ul>
PoE Power Budget	-	-	<ul style="list-style-type: none"> <li>• 370 W</li> <li>• 740 W (with DPS-700 RPS)</li> </ul>
Physical			
MTBF (Hours)	388,361 hours	400,490 hours	279,418 hours
Acoustics	<ul style="list-style-type: none"> <li>• Max: 47 dB</li> <li>• Min: 39.7 dB</li> </ul>	<ul style="list-style-type: none"> <li>• Max: 52.3 dB</li> <li>• Min: 42.7 dB</li> </ul>	<ul style="list-style-type: none"> <li>• Max: 56 dB</li> <li>• Min: 43.5 dB</li> </ul>
Heat Dissipation	103.59 BTU/h	221.8 BTU/h	1550.92 BTU/h
Power Input	100 to 240 VAC, 50 to 60 Hz		
Max Power Consumption	<ul style="list-style-type: none"> <li>• Max.: 30.36 W</li> <li>• Standby: 13.23 W</li> </ul>	<ul style="list-style-type: none"> <li>• Max.: 65.01 W</li> <li>• Standby: 22.77 W</li> </ul>	<ul style="list-style-type: none"> <li>• Max: 454.55 W (PoE On)</li> <li>38.74 W (PoE Off)</li> <li>• Standby: 19.63 W</li> </ul>
Dimensions (W x D x H)	• 440 x 250 x 44 mm	• 440 x 250 x 44 mm	• 440 x 430 x 44 mm
Weight	3.2 kg	3.5 kg	5.6 kg
Ventilation	1 x Smart fan	3 x Smart fans	3 x Smart fans
Operation Temperature	0 to 50 °C		
Storage Temperature	-40 to 70 °C		
Operating Humidity	10% to 90% RH		
Storage Humidity	5% to 90% RH		
Emission (EMI)	FCC Class A, CE Class A, VCCI Class A, IC, RCM, BSMI		
Safety	CB, cUL, BSMI		

**Technical Specifications**

Interfaces	DGS-3130-54TS	DGS-3130-54S	DGS-3130-54PS
Ports	<ul style="list-style-type: none"> <li>• 48 x 10/100/1000BASE-T ports</li> <li>• 2 x 10GBASE-T ports</li> <li>• 4 x 10G SFP+ ports</li> </ul>	<ul style="list-style-type: none"> <li>• 48 x SFP ports</li> <li>• 2 x 10GBASE-T ports</li> <li>• 4 x 10G SFP+ ports</li> </ul>	<ul style="list-style-type: none"> <li>• 48 x 10/100/1000BASE-T PoE ports</li> <li>• 2 x 10GBASE-T ports</li> <li>• 4 x 10G SFP+ ports</li> </ul>
Optional Redundant Power Supply	• DPS-500A	• DPS-500A	• DPS-700
Console Port	10/100/1000BASE-T RJ-45 port for out-of-band CLI management		
Management Port	10/100/1000BASE-T RJ-45 port for out-of-band IP management		
Stacking Ports	4		
Stacking Cost <sup>1</sup>	2		
USB Ports	1 x USB 2.0 Type A port		
Performance			
Switching Capacity	216 Gbps		
64-Byte Packet Forwarding Rate	161 Mpps		
Packet Buffer Memory	4 MB		
PoE			
PoE Standards	-	-	<ul style="list-style-type: none"> <li>• IEEE 802.3af</li> <li>• IEEE 802.3at</li> </ul>
PoE Power Budget	-	-	<ul style="list-style-type: none"> <li>• 370 W</li> <li>• 740 W (with DPS-700 RPS)</li> </ul>
Physical			
MTBF (Hours)	• 273,037 hours	• 238,779 hours	• 356,876 hours
Acoustics	<ul style="list-style-type: none"> <li>• Max: 48.6 dB</li> <li>• Min: 36.7 dB</li> </ul>	<ul style="list-style-type: none"> <li>• Max: 52.1 dB</li> <li>• Min: 47.1 dB</li> </ul>	<ul style="list-style-type: none"> <li>• Max: 56 dB</li> <li>• Min: 43.5 dB</li> </ul>
Heat Dissipation	157.60 BTU/h	324.34 BTU/h	1619.03 BTU/h
Power Input	100 to 240 V AC, 50 to 60 Hz		
Max Power Consumption	<ul style="list-style-type: none"> <li>• Max: 46.19 W</li> <li>• Standby: 25.67 W</li> </ul>	<ul style="list-style-type: none"> <li>• Max: 95.06 W</li> <li>• Standby: 36.41 W</li> </ul>	<ul style="list-style-type: none"> <li>• Max: 474.51 W (PoE On)</li> <li>62.25 W (PoE Off)</li> <li>• Standby: 36.48 W</li> </ul>
Dimensions (W x D x H)	• 440 x 310 x 44 mm	• 440 x 430 x 44 mm	• 440 x 430 x 44 mm
Weight	4.2 kg	5.6 kg	6.2 kg
Ventilation	2 x Smart fans	4 x Smart fans	4 x Smart fans
Operation Temperature	0 to 50 °C		
Storage Temperature	-40 to 70 °C		
Operating Humidity	10% to 90% RH		
Storage Humidity	5% to 90% RH		
Emission (EMI)	FCC Class A, CE Class A, VCCI Class A, IC, RCM, BSMI		
Safety	CB, cUL, BSMI		

Software Features			
Stackability	<ul style="list-style-type: none"> <li>Physical stacking               <ul style="list-style-type: none"> <li>Stacking Lite</li> <li>Up to 9 units per stack or up to 12 stacking cost per stack<sup>1</sup></li> <li>Up to 80 Gbps stacking bandwidth</li> <li>Ring/chain topology support</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Virtual stacking               <ul style="list-style-type: none"> <li>D-Link Single IP Management (SIM)</li> <li>Up to 32 units per virtual stack</li> </ul> </li> </ul>	
L2 Features	<ul style="list-style-type: none"> <li>MAC Address Table: 16K (16,384) entries</li> <li>Flow Control               <ul style="list-style-type: none"> <li>802.3x Flow Control</li> <li>HOL Blocking Prevention</li> </ul> </li> <li>Jumbo Frames up to 9 Kbytes</li> <li>802.1AX/802.3ad Link Aggregation               <ul style="list-style-type: none"> <li>Max. 32 groups per device, 8 ports per group</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Spanning Tree Protocols               <ul style="list-style-type: none"> <li>802.1D STP</li> <li>802.1w RSTP</li> <li>802.1s MSTP</li> </ul> </li> <li>BPDU Filtering</li> <li>Root Guard</li> <li>Loop Guard</li> <li>Loopback Detection</li> </ul>	<ul style="list-style-type: none"> <li>Port Mirroring               <ul style="list-style-type: none"> <li>Supports One-to-One, Many-to-One</li> <li>Supports Mirroring for both Tx/Rx</li> <li>Supports 4 mirroring groups</li> </ul> </li> <li>Flow mirroring               <ul style="list-style-type: none"> <li>Supports Mirroring for Tx/Rx</li> </ul> </li> <li>VLAN Mirroring</li> <li>RSPAN</li> <li>L2 Protocol Tunneling</li> <li>Ethernet Ring Protection Switching (ERPS) v1/v2</li> </ul>
L2 Multicasting	<ul style="list-style-type: none"> <li>IGMP Snooping               <ul style="list-style-type: none"> <li>IGMP v1/v2/v3 Snooping</li> <li>Supports 1024 IGMP groups</li> <li>IGMP Snooping Fast Leave</li> <li>Supports 128 static IGMP groups</li> <li>Per VLAN IGMP Snooping</li> <li>Data Driven Learning</li> <li>IGMP Snooping Querier</li> <li>IGMP Authentication</li> <li>IGMP Accounting</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Report Suppression</li> <li>MLD Snooping               <ul style="list-style-type: none"> <li>MLD v1/v2 Snooping</li> <li>Support 1024 MLD Groups</li> <li>MLD Snooping Fast Leave</li> <li>Supports 64 static MLD groups</li> <li>MLD Snooping Querier</li> <li>Per VLAN MLD Snooping</li> <li>MLD Proxy Reporting</li> </ul> </li> </ul>	
L3 Multicasting	<ul style="list-style-type: none"> <li>IGMP v1/v2/v3</li> </ul>	<ul style="list-style-type: none"> <li>PIM-SM for IPv4<sup>2</sup></li> </ul>	
VLAN	<ul style="list-style-type: none"> <li>VLAN Group               <ul style="list-style-type: none"> <li>Max. 4K VLAN groups</li> <li>Max. 1~4094 VIDs</li> </ul> </li> <li>GVRP               <ul style="list-style-type: none"> <li>Max. 4K dynamic VLAN groups</li> </ul> </li> <li>Double VLAN (Q-in-Q)               <ul style="list-style-type: none"> <li>Port-based Q-in-Q</li> <li>Selective Q-in-Q</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>802.1Q</li> <li>Auto Surveillance VLAN</li> <li>Port-based VLAN</li> <li>802.1v Protocol-based VLAN</li> <li>Voice VLAN</li> <li>MAC-based VLAN</li> <li>VLAN translation</li> </ul>	<ul style="list-style-type: none"> <li>Multicast VLAN (ISM VLAN for IPv4/IPv6)</li> <li>Asymmetric VLAN</li> <li>Private VLAN</li> <li>VLAN Trunking</li> <li>Super VLAN</li> </ul>
Quality of Service	<ul style="list-style-type: none"> <li>802.1p               <ul style="list-style-type: none"> <li>8 queues per port</li> </ul> </li> <li>Queue Handling               <ul style="list-style-type: none"> <li>Strict Priority</li> <li>Weighted Round Robin (WRR)</li> <li>Strict + WRR</li> <li>Weighted Deficit Round Robin (WDRR)</li> </ul> </li> <li>Policy Map               <ul style="list-style-type: none"> <li>Remark 802.1p priority</li> <li>Remark IP precedence/DSCP</li> <li>Time based QoS</li> </ul> </li> <li>Congestion Control               <ul style="list-style-type: none"> <li>Weighted Random Early Detection (WRED)</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>CoS based on               <ul style="list-style-type: none"> <li>Switch port</li> <li>Inner/Outer VID</li> <li>Inner/Outer 802.1p Priority</li> <li>MAC address</li> <li>IP address</li> <li>DSCP</li> <li>Protocol type</li> <li>TCP/UDP port</li> <li>IPv6 traffic class</li> <li>IPv6 flow label</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Bandwidth Control               <ul style="list-style-type: none"> <li>Port-based (ingress/egress, min. granularity 8 Kbps)</li> <li>Flow-based (ingress/egress, min. granularity 8 Kbps)</li> <li>Per queue bandwidth control (min. granularity 8 Kbps)</li> </ul> </li> <li>Three Color Marker               <ul style="list-style-type: none"> <li>CIR/PIR minimum granularity: 8 kbps</li> </ul> </li> <li>trTCM</li> <li>srTCM</li> </ul>

Access Control List (ACL)	<ul style="list-style-type: none"> <li>• ACL based on <ul style="list-style-type: none"> <li>• 802.1p priority</li> <li>• VID</li> <li>• MAC address</li> <li>• Ether Type</li> <li>• LLC</li> <li>• VLAN</li> <li>• IP address</li> <li>• IP preference/ToS</li> <li>• DSCP mask</li> <li>• Protocol type</li> <li>• TCP/UDP port number</li> <li>• IPv6 Traffic Class</li> <li>• IPv6 Flow Label</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Time-based ACL</li> <li>• CPU Interface Filtering</li> <li>• Max. ACL entries: <ul style="list-style-type: none"> <li>• Ingress (hardware entries): 2048</li> <li>• Egress (hardware entries): 512</li> <li>• VLAN Access Map Numbers: 100</li> </ul> </li> </ul>	
Security	<ul style="list-style-type: none"> <li>• Port Security <ul style="list-style-type: none"> <li>• Supports up to 64 MAC addresses per port</li> </ul> </li> <li>• Broadcast/Multicast/Unicast Storm Control</li> <li>• D-Link Safeguard Engine</li> <li>• DHCP Server Screening</li> <li>• IP Source Guard</li> <li>• DHCP Snooping</li> </ul>	<ul style="list-style-type: none"> <li>• IPv6 Snooping</li> <li>• Dynamic ARP Inspection (DAI)</li> <li>• DHCPv6 Guard</li> <li>• IPv6 Route Advertisement (RA) Guard</li> <li>• IPv6 ND Inspection</li> <li>• Duplicate Address Detection (DAD)</li> <li>• ARP Spoofing Prevention <ul style="list-style-type: none"> <li>• Max. 64 entries</li> </ul> </li> <li>• L3 Control Packet Filtering</li> </ul>	<ul style="list-style-type: none"> <li>• Traffic Segmentation</li> <li>• SSL <ul style="list-style-type: none"> <li>• Supports TLS 1.0/1.1/1.2</li> <li>• Supports IPv4/IPv6 access</li> </ul> </li> <li>• SSH <ul style="list-style-type: none"> <li>• Supports SSH v2</li> <li>• Supports IPv4/IPv6 access</li> </ul> </li> <li>• BPDU Attack Protection</li> <li>• DOS Attack Prevention</li> </ul>
AAA	<ul style="list-style-type: none"> <li>• Guest VLAN</li> <li>• 802.1X Authentication <ul style="list-style-type: none"> <li>• Supports port/host-based access control</li> </ul> </li> <li>• Identity-driven Policy Assignment</li> <li>• Dynamic VLAN Assignment</li> <li>• Ingress/Egress Bandwidth Control</li> <li>• ACL Assignment</li> <li>• Privilege Level for Management Access</li> <li>• Trusted Host</li> </ul>	<ul style="list-style-type: none"> <li>• RADIUS/TACACS+ Accounting</li> <li>• Web-based Access Control (WAC) <ul style="list-style-type: none"> <li>• Supports port/host-based access control</li> </ul> </li> <li>• Identity-driven Policy Assignment</li> <li>• Dynamic VLAN Assignment</li> <li>• Support IPv4 access</li> <li>• Ingress/Egress Bandwidth Control</li> <li>• ACL Assignment</li> </ul>	<ul style="list-style-type: none"> <li>• RADIUS and TACACS+ Authentication</li> <li>• Authentication Database Failover</li> <li>• Compound Authentication</li> <li>• MAC-based Access Control (MAC) <ul style="list-style-type: none"> <li>• Supports port/host-based access control</li> </ul> </li> <li>• Identity-driven Policy Assignment</li> <li>• Dynamic VLAN Assignment</li> <li>• Ingress/Egress Bandwidth Control</li> <li>• ACL Assignment</li> </ul>
Green Features	<ul style="list-style-type: none"> <li>• Energy-Efficient Ethernet (EEE)</li> <li>• Power saving by link status</li> </ul>	<ul style="list-style-type: none"> <li>• Power saving by LED shut-off</li> <li>• Power saving by port shut-of</li> </ul>	<ul style="list-style-type: none"> <li>• Power saving by system hibernation</li> <li>• Time-based PoE</li> </ul>
OAM (Operations, Administration and Maintenance)	<ul style="list-style-type: none"> <li>• 802.3ah Ethernet Link OAM</li> <li>• D-Link Unidirectional Link Detection (DULD)</li> </ul>	<ul style="list-style-type: none"> <li>• Dying Gasp</li> <li>• 802.1ag Connectivity Fault Management (CFM)</li> </ul>	<ul style="list-style-type: none"> <li>• Y.1731 OAM</li> <li>• Optical Transceiver Digital Diagnostic Monitoring (DDM)</li> </ul>
Management	<ul style="list-style-type: none"> <li>• Web-based GUI <ul style="list-style-type: none"> <li>• Support IPv4/IPv6 access</li> <li>• Support SSL (HTTPS)</li> </ul> </li> <li>• Command Line Interface (CLI)</li> <li>• Telnet Server for IPv4/IPv6</li> <li>• Telnet Client for IPv4/IPv6</li> <li>• TFTP Client for IPv4/IPv6</li> <li>• DNS Client for IPv4/IPv6</li> <li>• Secure FTP Server for IPv4/IPv6</li> <li>• SNMP <ul style="list-style-type: none"> <li>• Support v1/v2c/v3</li> <li>• Support for IPv4/IPv6 access</li> </ul> </li> <li>• SNMP Traps</li> <li>• System Log for IPv4/IPv6 Syslog Server</li> </ul>	<ul style="list-style-type: none"> <li>• sFlow</li> <li>• Multiple images/ Multiple Configurations</li> <li>• RMON v1: <ul style="list-style-type: none"> <li>• Supports 1, 2, 3, 9 groups</li> </ul> </li> <li>• RMON v2: <ul style="list-style-type: none"> <li>• Supports ProbeConfig group</li> </ul> </li> <li>• LLDP/LLDP-MED</li> <li>• BootP/DHCP Client</li> <li>• DHCP Auto-Configuration</li> <li>• DHCP/DHCPv6 Local Relay</li> <li>• DHCP Relay Option 60/61/62/125</li> <li>• Flash File System</li> <li>• PPPoE Circuit-ID Tag Insertion</li> <li>• D-Link Discover Protocol (DDP)</li> </ul>	<ul style="list-style-type: none"> <li>• Debug command</li> <li>• Support IPv4/v6 SNMP Server</li> <li>• NTPv3/v4</li> <li>• Password recovery/ encryption</li> <li>• DHCP server <ul style="list-style-type: none"> <li>• Support for IPv4/IPv6 address assignment</li> </ul> </li> <li>• Command Logging</li> <li>• SMTP</li> <li>• DHCPv6 Prefix Delegation (PD)</li> <li>• Ping/ Traceroute for IPv4/IPv6</li> <li>• Microsoft® Network Load Balancing (NLB)</li> <li>• PD Alive (PoE Models Only)</li> </ul>

L3 Features	<ul style="list-style-type: none"> <li>• IPv4 ARP Entries 4096 <ul style="list-style-type: none"> <li>• 256 Static ARP</li> </ul> </li> <li>• IPv6 ND Entries:1024 <ul style="list-style-type: none"> <li>• 128 Static ND Entries</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• IP Interface <ul style="list-style-type: none"> <li>• Supports 128 interfaces</li> </ul> </li> <li>• Gratuitous ARP</li> <li>• Loopback Interface</li> </ul>	<ul style="list-style-type: none"> <li>• Proxy ARP <ul style="list-style-type: none"> <li>• Support local ARP proxy</li> </ul> </li> <li>• VRRP v2/v3</li> <li>• IP Helper</li> </ul>
L3 Routing	<ul style="list-style-type: none"> <li>• Supports 1024 hardware routing entries shared by IPv4/IPv6 <ul style="list-style-type: none"> <li>• 1 entry consumed by each IPv4 route</li> <li>• 2 entries consumed by each IPv6 route</li> </ul> </li> <li>• Supports up to 4096 hardware L3 forwarding entries shared by IPv4/IPv6 <ul style="list-style-type: none"> <li>• 1 entry consumed by each IPv4 route</li> <li>• 2 entries consumed by each IPv6 route</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• IPv4/IPv6 Static Route <ul style="list-style-type: none"> <li>• Max. 512 IPv4 entries</li> <li>• Max. 256 IPv6 entries</li> <li>• Support Equal-Cost Multi-Path Route (ECMP)</li> </ul> </li> <li>• IPv4/IPv6 Default Route</li> <li>• PBR (Policy-based Route)</li> <li>• Null Route</li> <li>• Route Preference</li> <li>• Route Redistribution</li> <li>• RIPv1/v2/ng</li> </ul>	<ul style="list-style-type: none"> <li>• OSPF <ul style="list-style-type: none"> <li>• OSPF v2/v3</li> <li>• OSPF passive interface</li> <li>• Stub/NSSA area</li> <li>• Support Equal-Cost Multi-Path Route (ECMP)</li> <li>• Text/MD5</li> </ul> </li> </ul>
MIB	<ul style="list-style-type: none"> <li>• RFC1065, RFC1066, RFC1155, RFC1156, RFC2578 MIB Structure</li> <li>• RFC1212 Concise MIB Definitions</li> <li>• RFC1213 MIBII</li> <li>• RFC1215 MIB Traps Convention</li> <li>• RFC1493, RFC4188 Bridge MIB</li> <li>• RFC1157, RFC2571, RFC2572, RFC2573, RFC2574, RFC2575, RFC2576 SNMP MIB</li> <li>• RFC1442, RFC1901, RFC1902, RFC1903, RFC1904, RFC1905, RFC1906, RFC1907, RFC1908, RFC2578, RFC3418, RFC3636 SNMPv2 MIB</li> <li>• RFC271, RFC1757, RFC2819 RMON MIB</li> <li>• RFC2021 RMONv2 MIB</li> </ul>	<ul style="list-style-type: none"> <li>• RFC1398, RFC1643, RFC1650, RFC2358, RFC2665, RFC3635 Ether-like MIB</li> <li>• RFC2668 802.3 MAU MIB</li> <li>• RFC2674, RFC4363 802.1p MIB</li> <li>• Interface Group MIB</li> <li>• RFC2618 RADIUS Authentication Client MIB</li> <li>• RFC4022 MIB for TCP</li> <li>• RFC4113 MIB for UDP</li> <li>• RFC2389 MIB for Diffserv.</li> <li>• RFC2620 RADIUS Accounting Client MIB</li> <li>• RFC2925 Ping &amp; TRACEROUTE MIB</li> <li>• TFTP uploads and downloads (D-Link MIB)</li> </ul>	<ul style="list-style-type: none"> <li>• Trap MIB (D-Link MIB)</li> <li>• RFC4265 IPv6 MIB</li> <li>• RFC4266 ICMPv6 MIB</li> <li>• Entity MIB</li> <li>• VRRP MIB</li> <li>• RIPv2 MIB</li> <li>• RFC1850, RFC5643 OSPF MIB</li> <li>• RFC4293 IPv6 SNMP Mgmt Interface MIB</li> <li>• DDM MIB (D-Link MIB)</li> <li>• Private MIB</li> <li>• MIB for D-Link Zone Defense</li> <li>• RFC3621 Power Ethernet MIB</li> <li>• DDP MIB</li> <li>• LLDP-MED MIB</li> </ul>
RFC Standard Compliance	<ul style="list-style-type: none"> <li>• RFC 768 UDP</li> <li>• RFC 791 IP</li> <li>• RFC 793 TCP</li> <li>• RFC 826 ARP</li> <li>• RFC 3513, 4291, IPv6 Addressing Architecture</li> <li>• RFC2474, RFC3168, RFC3260 Definition of the DS Field in the IPv4 and IPv6 Headers</li> <li>• RFC1321, RFC2284, RFC2865, RFC2716, RFC1759, RFC3580, RFC3748 Extensible Authentication Protocol (EAP)</li> </ul>	<ul style="list-style-type: none"> <li>• RFC2571 SNMP Framework</li> <li>• RFC 2068 HTTP</li> <li>• RFC 2866 RADIUS Accounting</li> <li>• RFC792 ICMPv4</li> <li>• RFC2463, RFC4443 ICMPv6</li> <li>• RFC4884 Extended ICMP to support Multi-Part Messages</li> <li>• RFC1338, RFC1519 CIDR</li> <li>• RFC2574 User-based Security Model for SNMPv3</li> <li>• RFC1981 Path MTU Discovery for IPv6</li> <li>• RFC2460 IPv6</li> </ul>	<ul style="list-style-type: none"> <li>• RFC 2571, 2572, 2573, 2574, SNMP</li> <li>• RFC 854 Telnet</li> <li>• RFC 951, 1542 BootP</li> <li>• RFC2461, RFC4861 Neighbor Discovery for IPv6</li> <li>• RFC2462, RFC4862 IPv6 Stateless Address Auto-configuration (SLAAC)</li> <li>• RFC2464 IPv6 over Ethernet and definition</li> <li>• RFC1886 DNS extension support for IPv6</li> </ul>

# DGS-3130 Series

## Gigabit Layer 3 Stackable Managed Switches

Optional Accessories	
DEM-CB100S	1 m 10G SFP+ Direct Attach Cable (DAC)
DEM-CB300S	3 m 10G SFP+ Direct Attach Cable (DAC)
Optional Redundant Power Supplies	
DPS-500A	AC Redundant Power Supply
DPS-700	AC Redundant Power Supply for PoE Models
Optional SFP Transceivers	
DEM-211	100BASE-FX Multi-Mode, 2 km
DGS-712	1000BASE-T Copper SFP Transceiver
DEM-310GT	1000BASE-LX, Single-mode, 10 km
DEM-311GT	1000BASE-SX, Multi-mode, 500 m
DEM-312GT2	1000BASE-SX, Multi-mode, 2 km
Optional SFP+ Transceivers	
DEM-431XT	10GBASE-SR Multi-mode, OM1:33M/OM2:82M/OM3:300M (w/o DDM)
DEM-432XT	10GBASE-LR Single-mode, 10 km (w/o DDM)
DEM-410T	10G copper CAT6A 30m

<sup>1</sup> When stacking the DGS-3130-30TS/30S/30PS models, the stacking cost is 1 per unit so the maximum units per stack is 9.

When stacking the DGS-3130-54TS/54S/54PS models, the stacking cost is 2 per unit so the maximum units per stack is 6.

When stacking different models in the same stack, switches can be stacked up to a maximum of 12 stacking cost per stack. For example: 2 x DGS-3130-30TS (2 stacking cost) + 2 x DGS-3130-30S (2 stacking cost) + 4 x DGS-3130-54TS (8 stacking cost) consumes a total stacking cost of 12 (2+2+8).

<sup>2</sup> This feature does not support physical stacking mode. Only standalone mode is supported.



For more information: [eu.dlink.com](https://eu.dlink.com)

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Updated May 2022

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