D-Link’s DGS-1100 Series provides an affordable solution for SOHOs and Small and Medium Businesses as well as enterprise deployment, such as in branch offices and meeting rooms that require simple network management. Most models come in a compact desktop-sized metal case and feature a wide selection of Gigabit port configurations with optional Gigabit fibre uplink ports. There are 6 switches in the series supporting Power-over-Ethernet of which 1 can be powered by PoE with PoE-passthrough to power additional PoE-enabled devices, and 2 offer high-power-budget PoE for businesses looking to power VoIP phones, wireless access points or network cameras. The 5-port DGS-1100-05PD can be powered by a PoE switch and with its PoE-passthrough feature, can power 2 additional PoE-enabled devices. The 10-port DGS-1100-10MP supports up to 30W on eight ports with a power budget of 130W, whereas the DGS-1100-26MP provides 24 PoE-enabled ports, a power budget of 370W and all PoE-enabled ports support up to 30W. DGS-1100-10MPP supports up to 242W PoE power budget as well as 2 x 802.3bt/UPoE ports. Advanced management features, diagnostic and troubleshooting tools, and energy efficient technologies provide a flexible solution to suit your networking requirements.

**Features**

**Physical**
- Various selection of port counts, with or without PoE and fibre support
- Fanless design for silent operation (except for DGS-1100-10MP/10MPP/24P/26MP)

**Green Technology**
- Link Status detection
- IEEE 802.3az compliant
- Time-based PoE (PoE models excluding DGS-1100-05PD and DGS-1100-08P)

**Advanced Features**
- Bandwidth Control
- IEEE 802.1Q VLAN traffic segregation
- Port-based VLAN
- IEEE 802.1p QoS
- Surveillance VLAN
- Voice VLAN

**Management Features**
- Client-based utility or web-based GUI
- Built-in SNMP MIB

**Video Surveillance Mode (MP/MPP Models)**
- Surveillance optimised web interface
- High PoE budget and PoE+ ports
- Per-port 6 kV surge protection
- ONVIF support

**Optimised for Video Surveillance**

The DGS-1100 Series supports Auto Surveillance VLAN (ASV) which ensures the quality of real-time video for monitoring and control without compromising the transmission of conventional network data. Furthermore, DGS-1100-10MP, DGS-1100-10MPP and DGS-1100-26MP smart managed switches are the world’s first PoE switches with ONVIF support with optional surveillance optimised web interface. This allows it to recognise ONVIF devices and integrate seamlessly with your surveillance network. You can also access in real-time vital information on your surveillance network such as surveillance topology and device status as well as PoE power and network bandwidth utilisation. Various power budgets, support for PoE+ standard and 6 kV surge protection make the DGS-1100-10MP, DGS-1100-10MPP DGS-1100-26MP switches a critical part of your surveillance infrastructure.
Auto Voice VLAN and Bandwidth Control

The DGS-1100 Series supports Auto Voice VLAN, which is best suited for VoIP deployments. This enhances the VoIP service by automatically placing voice traffic from an IP phone to an assigned VLAN. With higher priority and individual VLAN, these features guarantee the quality and security of VoIP traffic. Bandwidth Control can reserve bandwidth on a per port basis for important functions that require larger bandwidth or have high priority.

Advanced Features

DGS-1100 Series is equipped with advanced security features such as Static MAC, Storm Control, and IGMP Snooping. Static MAC allows users to create a MAC whitelist for specific ports, helping administrators limit network access to authorised devices only. Storm Control monitors broadcast, multicast, or unknown unicast traffic and will start blocking or discarding packets which could flood the network when the defined threshold is exceeded. IGMP Snooping is able to reduce the loading of L3 multicast routers and save bandwidth in network throughput.

Easy Troubleshooting

The DGS-1100 Series features Loopback Detection and Cable Diagnostics to help network administrators find and solve network problems quickly and easily. Loopback Detection is used to detect loops created by a specific port and automatically shut down the affected port. The Cable Diagnostics feature is designed for network administrators to quickly examine the quality of the copper cables, recognise the cable type, and detect cable errors.

Easy to deploy

The DGS-1100 Series supports an intuitive D-Link Network Assistant Utility and a web-based management interface. The D-Link Network Assistant Utility allows customers to discover all switches in the D-Link Smart Managed Switch family within the same L2 network segment. With this utility, users do not need to change the IP address of their PC, which also makes the initial setup of the Smart Managed Switches quick and easy. Switches within the same L2 network segment that are connected to the user’s PC are displayed on-screen for instant access. This allows for extensive switch configuration and basic setup of discovered devices, including password changes and firmware upgrades. The graphic web-based management interface provides a user-friendly interface that enables network administrators to remotely control their network down to the port level.

D-Link Assist

Rapid Response Support

If the worst should happen to your network you need the very best support and fast. Downtime costs your business money. D-Link Assist maximises your uptime by solving technical problems quickly and effectively. Our highly trained technicians are on standby around the clock, ensuring that award-winning support is only a phone call away.

With a choice of three affordable service offerings covering all D-Link business products, you can select the package that suits you best:

D-Link Assist Gold - for comprehensive 24-hour support
D-Link Assist Gold is perfect for mission-critical environments where maximum uptime is a high priority. It guarantees four hour around-the-clock response. Cover applies 24/7 for every day of the year including holidays.

D-Link Assist Silver - for prompt same-day assistance
D-Link Assist Silver is designed for ‘high availability’ businesses that require rapid response within regular working hours. It provides a four hour response service Monday to Friday from 8am to 5pm, excluding holidays.

D-Link Assist Bronze - for guaranteed response on the next business day
D-Link Assist Bronze is a highly cost-effective support solution for less critical environments. Response is guaranteed within eight business hours Monday to Friday from 8am to 5pm, excluding holidays.

D-Link Assist can be purchased together with any D-Link business product. So whether you’re buying switching, wireless, storage, security or IP Surveillance equipment from D-Link, your peace of mind is guaranteed. D-Link Assist also offers installation and configuration services to get your new hardware working quickly and correctly.
## Technical Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>DGS-1100-05</th>
<th>DGS-1100-08</th>
<th>DGS-1100-16</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>General</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Size</td>
<td>Desktop</td>
<td>Desktop</td>
<td>11-inch Desktop/Rackmount Size, 1U Height</td>
</tr>
<tr>
<td>Number of Ports</td>
<td>5 10/100/1000 Mbps</td>
<td>8 10/100/1000 Mbps</td>
<td>16 10/100/1000 Mbps</td>
</tr>
</tbody>
</table>
| Port Functions                               | • IEEE 802.3 for Ethernet  
• IEEE 802.3u for Fast Ethernet  
• IEEE 802.3ab for Gigabit Ethernet | • Auto-negotiation  
• Supports half/full-duplex operation (half at 10/100 Mbps, full at 1000 Mbps) | • Auto MDI/MDIX  
• IEEE 802.3x Flow Control supports full-duplex mode  
• IEEE 802.3az compliant |
| **Performance**                              |             |             |             |
| Switching Capacity                           | 10 Gbps     | 16 Gbps     | 32 Gbps     |
| Maximum Forwarding Rate                      | 7.44 Mpps   | 11.9 Mpps   | 23.81 Mpps  |
| MAC Address Table Size                       | 2K Entries  | 4K Entries  | 8K Entries  |
| Packet Buffer                                | 1 Mbits     | 1.5 Mbits   | 512 Kbits   |
| Flash Memory                                 | 2 Mbyte     | 2 Mbyte     | 8 Mbyte     |
| **Power Consumption**                        |             |             |             |
| Standby                                      | 1.39 W      | 1.93 W      | 7.96 W      |
| Maximum                                      | 3.42 W      | 4.94 W      | 9.31 W      |
| **Physical**                                 |             |             |             |
| Power Input                                  | 100 to 240 V AC  
50 to 60 Hz External Power Adapter          | 100 to 240 V AC  
50 to 60 Hz Internal Power Supply           |
| MTBF                                         | 1,562,055 hours | 1,456,992 hours | 2,827,541 hours |
| Acoustics                                    | 0 dB(A)     |             |             |
| Heat Dissipation                             | 11.67 BTU/hr | 16.85 BTU/hr | 31.77 BTU/hr |
| Weight                                       | 0.23 kg     | 0.34 kg     | 1.53 kg     |
| Dimensions                                   | 100.5 × 82 × 28 mm | 145 x 82 x 28 mm | 280 x 180 x 44 mm |
| Ventilation                                  | Fanless     |             |             |
| Operating Temperature                        | 0 to 40 °C (32 to 104 °F) |             | -5 to 50 °C (23 to 122 °F) |
| Storage Temperature                          | -40 to 70 °C (-40 to 158 °F) |             | -40 to 70 °C (-40 to 158 °F) |
| Operating Humidity                           | 0% to 90% non-condensing |             | 0% to 95% non-condensing |
| Storage Humidity                             | 5% to 95% non-condensing |             | 0% to 95% non-condensing |
| EMI                                          | FCC Class B, CE Class B, VCCI Class B, BSMI, CCC |             | FCC Class A, CE Class A, VCCI Class A, C-Tick, BSMI, CCC |
| Safety                                       | cUL, CE LVD, CB, BSMI, CCC |             | cUL, CE LVD, CB |
## Technical Specifications

<table>
<thead>
<tr>
<th>General</th>
<th>DGS-1100-18</th>
<th>DGS-1100-24</th>
<th>DGS-1100-26</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
<td>11-inch Desktop/Rackmount Size, 1U Height</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| Number of Ports  | • 16 10/100/1000 Mbps  
• 2 SFP 1000 Mbps |
• 24 10/100/1000 Mbps  
• 2 SFP 1000 Mbps |
• 24 10/100/1000 Mbps  
• 2 SFP 1000 Mbps |
| Port Functions   | • Auto MDI/MDIX  
• IEEE 802.3x Flow Control supports Full-Duplex mode  
• Supports half/full-duplex operation (full/half at 10/100 Mbps, full at 1000 Mbps) |

### Performance

<table>
<thead>
<tr>
<th></th>
<th>DGS-1100-18</th>
<th>DGS-1100-24</th>
<th>DGS-1100-26</th>
</tr>
</thead>
<tbody>
<tr>
<td>Switching Capacity</td>
<td>36 Gbps</td>
<td>48 Gbps</td>
<td>52 Gbps</td>
</tr>
<tr>
<td>Maximum Forwarding Rate</td>
<td>26.79 Mpps</td>
<td>35.71 Mpps</td>
<td>38.69 Mpps</td>
</tr>
<tr>
<td>MAC Address Table Size</td>
<td>16K Entries</td>
<td>8K Entries</td>
<td>16K Entries</td>
</tr>
<tr>
<td>Packet Buffer</td>
<td>1.5 Mbits</td>
<td>512 Kbits</td>
<td>1.5 Mbits</td>
</tr>
<tr>
<td>Flash Memory</td>
<td>8 Mbyte</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Power Consumption

<table>
<thead>
<tr>
<th></th>
<th>DGS-1100-18</th>
<th>DGS-1100-24</th>
<th>DGS-1100-26</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standby</td>
<td>10.83 W</td>
<td>10.37 W</td>
<td>12.94 W</td>
</tr>
<tr>
<td>Maximum</td>
<td>14.88 W</td>
<td>13.94 W</td>
<td>19.04 W</td>
</tr>
</tbody>
</table>

### Physical

<table>
<thead>
<tr>
<th></th>
<th>DGS-1100-18</th>
<th>DGS-1100-24</th>
<th>DGS-1100-26</th>
</tr>
</thead>
</table>
| Power Input           | 100 to 240 V AC  
50 to 60 Hz Internal Power Supply |
| MTBF                  | 2,671,256 hours | 2,406,109 hours | 2,277,645 hours |
| Acoustics             | 0 dB(A)     |
| Heat Dissipation      | 50.77 BTU/hr | 47.57 BTU/hr | 64.97 BTU/hr |
| Weight                | 1.56 kg     | 1.63 kg     | 1.66 kg     |
| Dimensions            | 280 x 180 x 44 mm | 280 x 180 x 44 mm | 280 x 180 x 44 mm |
| Ventilation           | Fanless     |
| Operating Temperature | -5 to 50 °C (23 to 122 °F) |
| Storage Temperature   | -40 to 70 °C (-40 to 158 °F) |
| Operating Humidity    | 0% to 95% non-condensing |
| Storage Humidity      | 0% to 95% non-condensing |
| EMI                   | FCC Class A, CE Class A, VCCI Class A, C-Tick, BSMI, CCC |
| Safety                | cUL, CE LVD, CB |
## DGS-1100 Series Gigabit Smart Managed Switches

### Technical Specifications

<table>
<thead>
<tr>
<th>General</th>
<th>DGS-1100-05PD</th>
<th>DGS-1100-08P</th>
<th>DGS-1100-10MP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
<td>Desktop</td>
<td>Desktop</td>
<td>11-inch Desktop/Rackmount Size, 1U Height</td>
</tr>
</tbody>
</table>

| Number of Ports | 5 10/100/1000 Mbps (Ports 1 to 2 are PoE enabled, port 5 is PD port) | 8 10/100/1000 Mbps (Ports 1 to 8 are PoE enabled) | 8 10/100/1000 Mbps (Ports 1 to 8 are PoE enabled) |

| Port Functions | IEEE 802.3 for Ethernet, IEEE 802.3u for Fast Ethernet, IEEE 802.3ab for Gigabit Ethernet, IEEE 802.3z for Gigabit fiber | IEEE 802.3af/3at, IEEE 802.3x Flow Control supports full-duplex mode, Supports manual/auto MDI/MDIX configuration | Auto-negotiation, Supports half/full-duplex operation, IEEE 802.3az compliant, Up to 6 kV surge protection per port |

| Performance | | | |
| Switching Capacity | 10 Gbps | 16 Gbps | 20 Gbps |
| Maximum Forwarding Rate | 7.44 Mpps | 11.9 Mpps | 14.88 Mpps |
| MAC Address Table Size | 2K Entries | 4K Entries | 16K Entries |
| Packet Buffer | 1 Mbits | 1.5 Mbits | 1.5 Mbits |
| Flash Memory | 2 Mbyte | 2 Mbyte | 16 MBytes |

| PoE | | | |
| PoE Standard | 802.3af | 802.3af/802.3at |
| PoE Capable Ports | Port 1 to 2 (15.4 W max. per PoE port) | Port 1 to 8 (30 W max. per PoE port) | Port 1 to 8 (30 W max. per PoE port) |
| PoE Power Budget | 18 W with 802.3at / 8 W with 802.3af input power | 64 W | 130 W |

| Power Consumption | | | |
| Standby | 1.46 W | 2 W | 10.4 W |
| Maximum | 23.92 W (PoE on) 2.32 W (PoE off) | 77.9 W (PoE on) 4.6 W (PoE off) | 141.4 W (PoE on) 11.8 W (PoE off) |

| Physical | | | |
| Power Input | 802.3af/at PoE input only (No power supply) | 100 to 240 V AC, 50 to 60 Hz External Power Supply | 100 to 240 V AC 50 to 60 Hz Internal Power Supply |
| MTBF | 2,346,941 hours | 786,841 hours | 291,575 hours |
| Acoustics | 0 dB(A) | 45.4 dB(A) |
| Heat Dissipation | N/A | 265.85 BTU/hr | 570.51 BTU/hr |
| Weight | 0.38 kg | 0.43 kg | 1.83 kg |
| Dimensions | 150 x 97 x 28 mm | 171 x 97.8 x 28.6 mm | 280 x 180 x 44 mm |
| Ventilation | Fanless | 1 x Fan |
| Operating Temperature | 0 to 40 °C | -5 to 50 °C |
| Storage Temperature | -40 to 70 °C | -40 to 70 °C |
| Operating Humidity | 0% to 90% non-condensing | 0% to 95% non-condensing |
| Storage Humidity | 5% to 95% non-condensing | 0% to 95% non-condensing |
| EMI | FCC Class B, CE Class B, VCCI Class B, BSMI, CCC | FCC/IC, CE, VCCI, BSMI, CCC | FCC/IC, CE, VCCI, BSMI, CCC |
| Safety | cUL, CE LVD, CB, BSMI, CCC | cUL, UL, LVD, CB |
## Technical Specifications

### General

<table>
<thead>
<tr>
<th>Model</th>
<th>DGS-1100-10MPP</th>
<th>DGS-1100-24P</th>
<th>DGS-1100-26MP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
<td>11-inch Desktop/Rackmount Size, 1U Height</td>
<td>11-inch Desktop/Rackmount Size, 1U Height</td>
<td>19-inch Rackmount Size, 1U Height</td>
</tr>
<tr>
<td>Number of Ports</td>
<td>8 10/100/1000 Mbps (Ports 1 to 8 are PoE enabled)</td>
<td>24 10/100/1000 Mbps (Ports 1 to 12 are PoE enabled)</td>
<td>24 10/100/1000 Mbps (Ports 1 to 24 are PoE enabled)</td>
</tr>
<tr>
<td>Port Functions</td>
<td>IEEE 802.3 for Ethernet</td>
<td>IEEE 802.3af/3at</td>
<td>Auto-negotiation</td>
</tr>
<tr>
<td>Performance</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Switching Capacity</td>
<td>20 Gbps</td>
<td>48 Gbps</td>
<td>52 Gbps</td>
</tr>
<tr>
<td>Maximum Forwarding Rate</td>
<td>14.88 Mpps</td>
<td>35.71 Mpps</td>
<td>38.69 Mpps</td>
</tr>
<tr>
<td>MAC Address Table Size</td>
<td>16K Entries</td>
<td>8K Entries</td>
<td>16K Entries</td>
</tr>
<tr>
<td>Packet Buffer</td>
<td>1.5 Mbits</td>
<td>512 Kbits</td>
<td>1.5 Mbits</td>
</tr>
<tr>
<td>Flash Memory</td>
<td>16 MBytes</td>
<td>8 MBytes</td>
<td>16 MBytes</td>
</tr>
<tr>
<td>PoE Standard</td>
<td>802.3af/802.3at</td>
<td>802.3af/802.3at</td>
<td>802.3af/802.3at</td>
</tr>
<tr>
<td>PoE Capable Ports</td>
<td>Port 1 to 8 (30 W max. per PoE port for ports 1 to 8, 75 W max. for ports 7 to 8)</td>
<td>Port 1 to 12 (30 W max. per PoE port)</td>
<td>Port 1 to 24 (30 W max. per PoE port)</td>
</tr>
<tr>
<td>PoE Power Budget</td>
<td>242 W</td>
<td>100 W</td>
<td>370 W</td>
</tr>
<tr>
<td>Power Consumption</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Standby</td>
<td>10.47 W</td>
<td>12.94 W</td>
<td>15.12 W</td>
</tr>
<tr>
<td>Maximum</td>
<td>253 W (PoE on)</td>
<td>128.3 W (PoE on)</td>
<td>387 watts (PoE on)</td>
</tr>
<tr>
<td>Physical</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power Input</td>
<td>100 to 240 V AC</td>
<td>100 to 240 V AC</td>
<td>100 to 240 V AC</td>
</tr>
<tr>
<td>MTBF</td>
<td>1,719,951 hours</td>
<td>563,292 hours</td>
<td>269,291 hours</td>
</tr>
<tr>
<td>Acoustics</td>
<td>53 dB(A)</td>
<td>44.5 dB(A)</td>
<td>56 dB(A)</td>
</tr>
<tr>
<td>Heat Dissipation</td>
<td>1,001.12 BTU/hr</td>
<td>437.85 BTU/hr</td>
<td>1470.46 BTU/hr</td>
</tr>
<tr>
<td>Weight</td>
<td>1.98 kg</td>
<td>2.15 kg</td>
<td>3.81 kg</td>
</tr>
<tr>
<td>Dimensions</td>
<td>280 x 180 x 44 mm</td>
<td>280 x 230 x 44 mm</td>
<td>440 x 290 x 44 mm</td>
</tr>
<tr>
<td>Ventilation</td>
<td>1 x Fan</td>
<td>1 Fan</td>
<td>2 x Fan</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-5 to 50 °C</td>
<td>-5 to 50 °C</td>
<td>-5 to 50 °C</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>-40 to 70 °C</td>
<td>-40 to 70 °C</td>
<td>-40 to 70 °C</td>
</tr>
<tr>
<td>Operating Humidity</td>
<td>0% to 95% non-condensing</td>
<td>0% to 95% non-condensing</td>
<td>0% to 95% non-condensing</td>
</tr>
<tr>
<td>Storage Humidity</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EMI</td>
<td>FCC/IC, CE, VCCI, BSMI, CCC</td>
<td>FCC Class A, CE Class A, VCCI Class A, C-Tick, BSMI, CCC</td>
<td>FCC/IC, CE, VCCI, BSMI, CCC</td>
</tr>
<tr>
<td>Safety</td>
<td>cUL, UL, LVD, CB, CCC, BSMI</td>
<td>cUL, CE LVD, CB, BSMI, CCC</td>
<td>cUL, UL, LVD, CB, CCC, BSMI</td>
</tr>
</tbody>
</table>
# DGS-1100 Series Gigabit Smart Managed Switches

## Software Features (DGS-1100-05/05PD/08/08P)

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
</table>
| **VLAN** | - Port-based VLAN  
- 802.1Q tagged VLAN  
- Surveillance VLAN  
- Voice VLAN  
- Management VLAN  
- VLAN Group  
- Supports 32 static VLAN groups  
- Max. 4094 VIDs  
- Asymmetric VLAN |
| **L2 Features** | - Flow Control  
- 802.3x Flow Control  
- HOL Blocking Prevention  
- Jumbo Frames up to 9216 Bytes  
- IGMP Snooping  
- IGMP v1/v2/v3 awareness Snooping  
- Supports 128 Groups  
- Static Trunk  
- DGS-1100-05/05PD: 1 group  
- DGS-1100-08/08P: 2 groups  
- Loopback Detection  
- Cable Diagnostics  
- Port Mirroring  
- One-to-One  
- Many-to-One  
- Statistics  
- Tx Ok  
- Tx Error  
- Rx Ok  
- Rx Error |
| **Quality of Service (QoS)** | - 802.1p Quality of Service  
- 4 queues per port  
- Queue Handling  
- Strict  
- Weighted Round Robin (WRR)  
- Bandwidth Control  
- Port-based (Ingress/Egress, min. granularity 8 Kb/s)  
- DSCP |
| **Security** | - Static MAC Address  
- Up to 32 entries  
- Traffic segmentation  
- Broadcast/Multicast/Unknown Unicast Storm Control  
- Port security  
- Client-based Utility (SmartConsole Utility) |
| **Management** | - Web-based GUI (Supports IPv4)  
- Power Saving by  
- Link Status, Cable Length  
- Compliant with IEEE 802.3az Energy Efficient Ethernet  
- Compliant with RoHs 6 |
| **D-Link Green** | - Link Status, Cable Length  
- IEEE 802.1p  
- RFC2236, IGMP Snooping  
- RFC1213 MiBII  
- RFC1215 MiB Traps Convention |
| **RFC Standard List** | - RFC 768 UDP  
- RFC 791 IP  
- RFC 792 ICMP  
- RFC 793 TCP  
- RFC 826 ARP  
- RFC2236, IGMP Snooping  
- RFC1213 MiBII  
- RFC1215 MiB Traps Convention |
### DGS-1100 Series Gigabit Smart Managed Switches

#### Software Features (DGS-1100-16/18/24/26/24P)

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
</table>
| **VLAN** | - Port-based VLAN  
- 802.1Q tagged VLAN  
- Auto Surveillance VLAN  
- Voice VLAN  
- Management VLAN  
- Asymmetric VLAN  
- VLAN Group  
- Supports 128 static VLAN groups  
- Max. 4094 VIDs |
| **L2 Features** | - Flow Control  
- 802.3x Flow Control  
- HOL Blocking Prevention  
- Jumbo Frames up to 9216 Bytes  
- IGMP Snooping  
  - IGMP v1/v2/v3 awareness Snooping  
  - Supports 64 Groups  
- IGMP Snooping Querier  
- 802.3ad Link Aggregation:  
  - DGS-1100-16: Support max 8 groups per device and 8 ports per group  
  - DGS-1100-18: Support max 9 groups per device and 8 ports per group  
  - DGS-1100-24P: Support max 12 groups per device and 8 ports per group  
  - DGS-1100-26: Support max 13 groups per device and 8 ports per group  
- Loopback Detection  
- Cable Diagnostics  
- LLDP  
- Port Mirroring  
  - One-to-One  
  - Many-to-One  
- Statistics  
  - Tx Ok  
  - Tx Error  
  - Rx Ok  
  - Rx Error  
- Spanning Tree Protocol  
  - 802.1D STP  
  - 802.1w RSTP  
- Quality of Service (QoS) | - 802.1p Quality of Service  
- 4 queues per port  
- Queue Handling  
  - Strict  
  - Weighted Round Robin (WRR)  
- Port-based Bandwidth Control (Rate Limiting)  
  - Ingress: 8 Kbps  
  - Egress: 64 Kbps |
| **Security** | - D-Link Safeguard  
- Traffic Segmentation  
- Broadcast/Multicast/Unknown Unicast Storm Control  
- DoS Attack Prevention  
- SSL |
| **Management** | - Web-based GUI (Supports IPv4/IPv6)  
- Client-based Utility (D-Link Network Assistant Utility) |
| **Green Technology** | - Power Saving by  
  - Link Status, LED Shut-Off, Port Shut-Off, System Hibernation  
- Compliant with IEEE 802.3az Energy Efficient Ethernet |
| **MIB/RFC Standards** | - RFC768 UDP  
- RFC791 IP  
- RFC792 ICMP  
- RFC793 TCP  
- RFC826 ARP  
- RFC1213 MIB II  
- RFC1493 Bridage MIB  
- RFC1907 SNMPv2 MIB  
- RFC1215 MIB Traps Convention  
- RFC2233 Interface Group MIB  
- RFC2665 Ether-like MIB  
- RFC4363 IEEE 802.1p MIB  
- ZoneDefense MIB  
- Private MIB  
- RFC951 BootP client  
- RFC1542 BootP/DHCP client  
- RFC2236 IGMP Snooping |
# DGS-1100 Series Gigabit Smart Managed Switches

## Software Features (DGS-1100-10MP/10MPP/26MP)

### VLAN
- Port-based VLAN
- 802.1Q tagged VLAN
- Auto Surveillance VLAN
- Voice VLAN
- Management VLAN
- Asymmetric VLAN
- VLAN Group
- Supports 128 static VLAN groups
- Max. 4094 VIDs

### L2 Features
- Flow Control
  - 802.3x Flow Control
  - HOL Blocking Prevention
- Jumbo Frames up to 9216 Bytes
- IGMP Snooping
  - IGMP v1/v2/v3 awareness Snooping
  - Supports 64 Groups
  - IGMP Snooping Querier
- 802.3ad Link Aggregation:
  - DGS-1100-10MP: Support 5 groups per device and 8 ports per group
  - DGS-1100-26MP: Support 13 groups per device and 8 ports per group
  - DGS-1100-10MPP: Support 5 groups per device and 8 ports per group
  - Ethernet Ring Protection Switching
  - G.8032 ERPS
- Loopback Detection
- Cable Diagnostics
  - LLDP
  - Port Mirroring
  - One-to-One
  - Many-to-One
  - Statistics
  - Tx Ok
  - Tx Error
  - Rx Ok
  - Rx Error
  - Spanning Tree Protocol
    - 802.1D STP
    - 802.1w RSTP
    - L2 Multicast
    - MLD Snooping

### Quality of Service (QoS)
- 802.1p Quality of Service
  - 4 queues per port
  - Queue Handling
    - Strict
    - Weighted Round Robin (WRR)
- Port-based Bandwidth Control (Rate Limiting)
  - Ingress: 8Kbps
  - Egress: 64Kbps

### Security
- D-Link Safeguard
- Traffic Segmentation
- Broadcast/Multicast/Unknown Unicast Storm Control
- DoS Attack Prevention
  - SSL

### Management
- Web-based GUI (Supports IPv4/IPv6)
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### Optional SFP Transceivers

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEM-310GT</td>
<td>1000BASE-LX, single-mode, 10 km</td>
</tr>
<tr>
<td>DEM-311GT</td>
<td>1000BASE-SX, multi-mode, 550 m</td>
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</tbody>
</table>

1. Supported by the DGS-1100-16/18/24/26/24P/10MP/10MPP/26MP
2. All hardware specification refer to H/W version Bx

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For more information: [www.dlink.com](http://www.dlink.com)

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