

Product Highlights

Powered by PoE with PoE-Passthrough

Powered and connected with a single cable whilst PoE-passthrough feature can power 2 additional PoE-enabled devices

Revolutionary Energy Efficiency

Innovative D-Link Green features help to conserve energy without affecting performance so you can reduce operating costs and protect the environment

Smart and Flexible Management

Powerful switch management functions can be performed through a web management interface or through the D-Link Network Assistant Utility



DGS-1100-05PD

5-Port Gigabit PoE-Powered Smart Managed Switch

Features

Physical

- Powered by PoE
- PoE-passthrough connects and powers 2 additional PoE-enabled devices
- Fanless design for silent operation

Green Technology

- Link Status detection
- IEEE 802.3az compliant

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

D-Link's DGS-1100-05PD 5-Port Gigabit PoE-Powered Smart Managed Switch 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. The 5-port DGS-1100-05PD can be powered by a PoE switch, making it ideal for deployment in places where no power socket is available. With its PoE-passthrough feature, it can power 2 additional PoE-enabled devices with a PoE power budget of up to 18W¹. It comes in a compact desktop-sized metal case with fanless design for silent operation. Advanced management features, diagnostic and troubleshooting tools, and energy efficient technologies provide a flexible solution to suit your networking requirements.

Auto Surveillance/Voice VLAN and Bandwidth Control

The DGS-1100-05PD 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. The DGS-1100-05PD also 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-1100-05PD 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-1100-05PD 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-1100-05PD 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.



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.

5-Port Gigabit PoE-Powered Smart Managed Switch

Technical Specifications

General	DGS-1100-05PD
Size	Desktop
Number of Ports	• 5 10/100/1000 Mbps (Ports 1 to 2 are PoE enabled, port 5 is PD port)
Port Functions	• IEEE 802.3 for Ethernet • IEEE 802.3u for Fast Ethernet • IEEE 802.3ab for Gigabit Ethernet
Performance	
Switching Capacity	10 Gbps
Maximum Forwarding Rate	7.44 Mpps
MAC Address Table Size	2K Entries
Packet Buffer	1 Mbits
Flash Memory	2 Mbyte
PoE	
PoE Standard	802.3af
PoE Capable Ports	Port 1 to 2 (15.4 W max. per PoE port)
PoE Power Budget	18 W with 802.3at / 8 W with 802.3af input power
Power Consumption	
Standby	1.46 W
Maximum	23.92 W (PoE on) 2.32 W (PoE off)
Physical	
Power Input	802.3af/at PoE input only (No power supply)
MTBF	2,346,941 hours
Acoustics	0 dB(A)
Heat Dissipation	N/A
Weight	0.38 kg
Dimensions	150 x 97 x 28 mm
Ventilation	Fanless
Operating Temperature	0 to 40 °C
Storage Temperature	-40 to 70 °C
Operating Humidity	0% to 90% non-condensing
Storage Humidity	5% to 95% non-condensing
EMI	FCC Class B, CE Class B, VCCI Class B, BSMI, CCC
Safety	cUL, CE LVD, CB, BSMI, CCC

5-Port Gigabit PoE-Powered Smart Managed Switch

Software Features		
VLAN	• Port-based VLAN • 802.1Q tagged VLAN • Surveillance VLAN • Voice VLAN • Management VLAN	• VLAN Group • Supports 32 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 Snooping • Supports 32 Groups • Static Trunk • 2 groups, 2-4 ports per group	• Loopback Detection • Cable Diagnostics • Port Mirroring • One-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)
Security	• Static MAC Address • Up to 32 entries	• Broadcast/Multicast/Unknown Unicast Storm Control
Management	• Web-based GUI (Supports IPv4)	• Client-based Utility (SmartConsole Utility)
D-Link Green	• Power Saving by • Link Status, Cable Length	• Compliant with IEEE 802.3az Energy Efficient Ethernet • Compliant with RoHS 6
RFC Standard List	• RFC 768 UDP • RFC 791 IP • RFC 792 ICMP • RFC 793 TCP • RFC 826 ARP	• RFC 951 BootP client • RFC 1542 BootP/DHCP client • RFC 1945 HTTP/1.0 • RFC 2647 802.1p • RFC 2236, 4451 IGMP Snooping

¹ When powered by PoE device supporting 802.3at. PoE power budget is up to 8 W when powered by PoE device supporting 802.3af.



For more information: www.dlink.com

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