

Product Highlights

Perfect for Small and Medium Business

Create a Fast Ethernet network that is easy to setup and managed. Fanless design allows for noiseless operation and at the same time saves energy and cost

VLAN and QoS support

VLAN support allows you to create separate networks whilst QoS ensures that time sensitive data are prioritised and prevents network bandwidth abuse

Smart and Flexible Management

Powerful switch management functions can be performed through a web management interface or through the SmartConsole Utility



DES-1100 Series

Fast Ethernet Smart Switches

Features

Fanless Design

- Allows for noiseless operation
- Saves energy while lowering costs
- Reliable and eco-friendly

Advanced Features

- Storm control

Intuitive Management

- SmartConsole Utility or web-based GUI

VLAN Features

- 802.1Q and Port-based VLAN for traffic segregation

Advanced QoS

- Bandwidth control (to prevent bandwidth abuse)
- Ensures that time-sensitive data gets delivered efficiently
- Supports IEEE 802.1p QoS for up to two 802.1p priority queues

Easy Troubleshooting

- Loopback detection auto disables port when loop is detected

The DES-1100 Series Fast Ethernet Smart Switches features a full set of configurable functions that provide strong performance and scalability. The Fast Ethernet Smart Switches include the DES-1100-16, which has 16 10/100 Mbps ports, the DES-1100-24, with 24 10/100 Mbps ports, and the DES-1100-26, which features 24 10/100 Mbps ports and 2 Gigabit combo ports. With an easy-to-use management interface accessible via a PC utility or web browser, the DES-1100 Series Fast Ethernet Smart Switches helps customers to quickly and easily deploy their network. The DES-1100 Series provides a complete and affordable solution for small and medium businesses, and for communities without IT staff. They are suitable for Enterprise deployment, such as in branch offices and meeting rooms that require simple management.

Switch management can be performed through a web management interface or through the SmartConsole Utility. The DES-1100 Series also supports Layer 2 features such as port mirroring, statistics, and IGMP snooping to optimise performance for multicast applications. All models are fanless and enclosed in a metal case.

Power Saving Performance

The Fast Ethernet Smart Switches offers best-in-class power savings compared to other models. The DES-1100-16 saves 27.32% more energy, and the DES-1100-24 saves 10.7% more energy than a conventional D-Link unmanaged switch. This gives you an energy-efficient switch that costs less to operate. Additionally, this allows Fast Ethernet Smart Switches to run cooler, run silent, and have a longer lifespan.

Resilience/Performance Enhancement

Equipped with a complete lineup of L2 features, these switches include IGMP snooping and port mirroring. Network maintenance features include loopback detection, which is used to detect loops created by a specific port and automatically shuts down the affected port. The DES-1100 Series also supports 802.1p Quality of Service (QoS) - a mechanism that allows real-time traffic classification into eight priority levels mapped to two queues.

Traffic & Security Features

The DES-1100 Series supports 802.1Q VLAN and Port-based VLAN, for traffic segregation. The bandwidth control feature allows network administrators to define the throughput levels for each port in order to manage bandwidth. It also provides fine granularity to define the ingress/egress traffic limits down to 512 kbps segments. Storm control enables the detection of when broadcast, multicast, or unknown unicast traffic hits the definable threshold. The switch will start blocking or discarding packets which could otherwise flood the network.

The blocked port will be activated only when the broadcast or multicast traffic falls below the defined threshold. Port mirroring helps administrators facilitate traffic diagnostics or track switch performance, and make alterations when necessary.

Versatile Management

Fast Ethernet Smart Switches support an intuitive SmartConsole utility and a web-based management interface that enables administrators to remotely control their network down to the port level. The SmartConsole easily allows customers to discover multiple D-Link Fast Ethernet Smart Switches within the same L2 network segment. With this utility, users do not need to change the IP address of their PC, and this also makes initial setup of the Smart Switches quick and easy. Switches within the same L2 network segment that are connected to the user's local PC are displayed on screen for instant access. This allows for device discovery and configuration of basic switch settings such as password changes.



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		
General	DGS-1100-16	DGS-1100-24
Size	11-inch Desktop/Rackmount Size, 1U Height	
Number of Ports	16 10/100/1000 Gigabit ports	24 10/100/1000 Gigabit ports
Port Functions	IEEE 802.3 compliant IEEE 802.3u compliant Supports half/full-duplex operation Auto-negotiation Auto MDI/MDIX IEEE 802.3x Flow Control supports Full-Duplex mode	
Performance		
Switching Capacity	3.2 Gbps	4.8 Gbps
Maximum Forwarding Rate	2.38 Mpps	3.57 Mpps
MAC Address Table Size	8K Entries	
Packet Buffer	1.75 Mbits	
Flash Memory	1 MB	
LEDs		
Power (per device)	✓	
Link/Activity/Speed (per port)	✓	
Power Consumption		
Standby Mode	5.96 watts	7.68 watts
Maximum	2.67 watts	2.87 watts
Physical		
Power Input	100 to 240 V AC 50 to 60 Hz Internal Universal Power Supply	
MTBF	597,779 hours	562,066 hours
Acoustics	0 dB	
Heat Dissipation	20.34 BTU/hr	26.20 BTU/hr
Weight	1.0 kg	1.0 kg
Dimensions	280 x 125 x 44 mm (11.0 x 4.9 x 1.7 inches)	
Ventilation	Fanless	
Operating Temperature	0 to 40 °C (32 to 104 °F)	
Storage Temperature	-10 to 70 °C (14 to 158 °F)	
Operating Humidity	10% to 95% non-condensing	
Storage Humidity	5% to 95% non-condensing	
EMI	FCC Class A, CE Class A, VCCI Class A, CCC, IC, C-Tick	
Safety	UL/cUL, LVD	

DES-1100 Series Fast Ethernet Smart Switches

Software Features		
VLAN	<ul style="list-style-type: none"> • 802.1Q Tagged VLAN • VLAN Group: <ul style="list-style-type: none"> • DES-1100-16/24: 32 static VLAN groups • DES-1100-26: 26 static VLAN groups • Configures VID from 1-4094 	<ul style="list-style-type: none"> • Port-based VLAN
L2 Features	<ul style="list-style-type: none"> • MAC Address Table: 8k • IGMP Snooping • Static Trunk: <ul style="list-style-type: none"> • 10/100 ports: max. 2 groups per device and 2-4 ports per group • 10/100/1000 ports on DES-1100-26: 1 group per device, 2 ports per group • Flow Control • Loopback Detection (LBD) 	<ul style="list-style-type: none"> • Port Mirroring: <ul style="list-style-type: none"> • Supports One-to-One or Many-to-One • Supports TX, RX, and both • Statistics - supports 4 groups: <ul style="list-style-type: none"> • Transmit packet & collision • Receive packet & Transmit packet • Receive packet & Drop packet • Receive packet & CRC packet
Quality of Service (QoS)	<ul style="list-style-type: none"> • Bandwidth Control: <ul style="list-style-type: none"> • Port-based (Ingress/Egress) • Granularity is predefined as: 512 kbps/1024 kbps/2048 kbps/4096 kbps/8192 kbps/16384 kbps/32768 kbps/65536 kbps 	<ul style="list-style-type: none"> • 2 queues per port • 802.1p • Queue Handling: <ul style="list-style-type: none"> • Strict Priority • Weighted Round Robin (WRR)
Security	<ul style="list-style-type: none"> • Static MAC (Max 128 Static MAC entries) 	<ul style="list-style-type: none"> • Broadcast/Multicast/Unknown Unicast Storm Control
Management	<ul style="list-style-type: none"> • Web-based GUI (Supports IPv4) • SmartConsole Utility • Password Access Control 	<ul style="list-style-type: none"> • Port Setting: Set Speed, Duplex mode, Flow control • Configuration File Backup/Restore via HTTP • Firmware File Upgrade via HTTP

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For more information: www.dlink.com

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