

D-Link DGS 1250-52X(DGS-1250-52X)

D-Link DGS 1250-52X - Switch - L3 Lite - smart - 48 x 10/100/1000 + 4 x 10 Gigabit SFP+ - rack-mountable

The D-Link DGS-1250 Series Smart Managed Switches deliver real value as an Enterprise Access and Small-to-Medium Business (SMB) Access/Aggregation solution. They provide a range of physical interfaces (including a Console Port with full CLI), multiple management interfaces, 11 Web languages, QoS enablement, and Advanced Layer-2 with Lite Layer-3 features.



The DGS-1250 Series switches support 24 or 48 x 10/100/1000BASE-T ports, with each switch also supporting an additional 4 x 10G SFP+ ports for optical connections using multimode or single-mode SFP transceivers - enabling real network horsepower at a value price.

Key Selling Points

- 48 x 10/100/1000BASE-T ports
- 4 x 10G SFP+ ports
- Lite L3 Static Routing
- Advanced security features, IMPB, 802.1X Authentication
- Dual Image & Configuration
- Supports STP/RSTP/MSTP
- Full CLI
- QoS Enablement

Product Features

Easy maintenance, less downtime

The DGS-1250 Series supports Dual Image and Dual Configuration functionality, as well as a Console Port, all of which make it easier to configure, troubleshoot, and make other changes without interfering with network operation, while full Command Line Interface (CLI) functionality enables remote configuration, without the need for the Internet. And if a network issue ever does occur, the supported Spanning Tree Protocols (STP/RSTP/MSTP) help keep things running without interruptions or downtime.

Quality of Service (QoS)

Automatic Configuration

Extensive management and advanced features

The DGS-1250 Series comes equipped with IGMP snooping, Port Mirroring, Spanning Tree Protocol (STP), and Link Aggregation Control Protocol (LACP). The IEEE 802.3x Flow Control function allows servers to directly connect to the switch for fast, reliable data transfers. The series also supports advanced features such as Static Routing, which allows for communication between different user groups in different VLAN segments in a network. And, because the switches can manage internal routing, the network router can be assigned to handle external traffic.

Management versatility

The DGS-1250 Series comes with the D-Link Network Assistant (DNA) utility so admins can remotely control their network to the port level. DNA allows customers to easily discover multiple D-Link Smart Managed Switches within the same L2 network segment and display them onscreen for instant access.

Main Specifications

Product Description	D-Link DGS 1250-52X - switch - 52 ports - smart - rack-mountable
Device Type	Switch - 52 ports - L3 Lite - smart - stackable
Enclosure Type	Rack-mountable 1U
Subtype	Gigabit Ethernet
Ports	48 x 10/100/1000 + 4 x 10 Gigabit SFP+
Performance	Switching capacity: 176 Gbps Forwarding performance: 130.95 Mpps
MAC Address Table Size	32K entries
Jumbo Frame Support	12KB
Routing Protocol	IGMPv2, IGMP, static IP routing, IGMPv3, MLDv2, MLD
Remote Management Protocol	SNMP 1, RMON 1, Telnet, SNMP 3, SNMP 2c, SSH-2, CLI
Features	Flow control, auto-negotiation, ARP support, auto-uplink (auto MDI/MDI-X), IGMP snooping, DoS attack prevention, port mirroring, store and forward, Broadcast Storm Control, half duplex mode, full duplex mode, Multicast Storm Control, Unicast Storm

	Control,sFlow,Spanning Tree Protocol (STP) support,Rapid Spanning Tree Protocol (RSTP) support,Multiple Spanning Tree Protocol (MSTP) support,DHCP snooping,Access Control List (ACL) support,Quality of Service (QoS),MLD snooping,Dynamic ARP Inspection (DAI),reset button,LLDP support,DHCP relay,Link Aggregation Control Protocol (LACP),Port Security,SNMP trap,DHCP client,Dynamic VLAN Support (GVRP),dual firmware images,Strict Priority Queuing (SPQ),Multicast filtering function,TFTP client,Ethernet Ring Protection Switching (ERPS),cable test,system log,IP source guard,Deficit Round Robin (DRR),Bridge protocol data unit (BPDU),Internet Control Message Protocol (ICMP),Network Timing Protocol (NTP),Authentication,Authorization and Accounting (AAA),Web-based Access Control (WAC),LLDP-MED,Weighted Round Robin (WRR),Head-of-line (HOL) Blocking Prevention,loopback detection
Compliant Standards	IEEE 802.3,IEEE 802.3u,IEEE 802.3z,IEEE 802.1D,IEEE 802.1Q,IEEE 802.3ab,IEEE 802.1p,IEEE 802.3x,IEEE 802.3ad (LACP),IEEE 802.1w,IEEE 802.3ae,IEEE 802.1s,IEEE 802.3az
Power	AC 120/230 V (50/60 Hz)
Dimensions (WxDxH)	44 cm x 21 cm x 4.4 cm
Weight	3.01 kg

Extended Specification

General

Device Type	Switch - 52 ports - L3 Lite - smart - stackable
Enclosure Type	Rack-mountable 1U
Subtype	Gigabit Ethernet
Ports	48 x 10/100/1000 + 4 x 10 Gigabit SFP+
Performance	Switching capacity:176 Gbps Forwarding performance:130.95 Mpps
MAC Address Table Size	32K entries
Jumbo Frame Support	12KB
Routing Protocol	IGMPv2,IGMP,static IP routing,IGMPv3,MLDv2,MLD
Remote Management Protocol	SNMP 1,RMON 1,Telnet,SNMP 3,SNMP 2c,SSH-2,CLI
Encryption Algorithm	SSL,TLS,SSL 3.0,SSL 2.0,PEAP,TTLS
Authentication Method	RADIUS,TACACS+,Secure Shell v.2 (SSH2),Extensible Authentication Protocol (EAP)

Features	Flow control,auto-negotiation,ARP support,auto-uplink (auto MDI/MDI-X),IGMP snooping,DoS attack prevention,port mirroring,store and forward,Broadcast Storm Control,half duplex mode,full duplex mode,Multicast Storm Control,Unicast Storm Control,sFlow,Spanning Tree Protocol (STP) support,Rapid Spanning Tree Protocol (RSTP) support,Multiple Spanning Tree Protocol (MSTP) support,DHCP snooping,Access Control List (ACL) support,Quality of Service (QoS),MLD snooping,Dynamic ARP Inspection (DAI),reset button,LLDP support,DHCP relay,Link Aggregation Control Protocol (LACP),Port Security,SNMP trap,DHCP client,Dynamic VLAN Support (GVRP),dual firmware images,Strict Priority Queuing (SPQ),Multicast filtering function,TFTP client,Ethernet Ring Protection Switching (ERPS),cable test,system log,IP source guard,Deficit Round Robin (DRR),Bridge protocol data unit (BPDU),Internet Control Message Protocol (ICMP),Network Timing Protocol (NTP),Authentication,Authorization and Accounting (AAA),Web-based Access Control (WAC),LLDP-MED,Weighted Round Robin (WRR),Head-of-line (HOL) Blocking Prevention,loopback detection
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Processor	:1 GHz
RAM	2 GB DDR3 SDRAM
Flash Memory	64 MB

Status Indicators	Error,fan,link/activity/speed,stack
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Expansion / Connectivity

Interfaces	48 x 1000Base-T RJ-45 4 x 10GBase-X SFP+ 1 x console RJ-45 management
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Power

Power Device	Internal power supply
Voltage Required	AC 120/230 V (50/60 Hz)
Power Consumption Operational	51.2 Watt

Miscellaneous

MTBF	589,984.72 hours
Compliant Standards	VCCI,C-Tick,BSMI,cUL,CB,FCC

Dimensions &Weight

Width	44 cm
Depth	21 cm
Height	4.4 cm
Weight	3.01 kg

Environmental Parameters

Min Operating Temperature	-5 °C
Max Operating Temperature	50 °C
Humidity Range Operating	0 - 95% (non-condensing)
Min Storage Temperature	-20 °C
Max Storage Temperature	70 °C
Humidity Range Storage	0 - 95% (non-condensing)

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