



D-Link 28-Port Gigabit Stackable Smart Managed Switch including 4 x 10G SFP+



Model: DGS-1510-28X/E

Manufacturer: D-LINK

Product Code: 839421

R8,714

The DGS-1510 Series Gigabit Stackable Smart Managed Switches consists of:

- DGS-1510-20: 20-Port Gigabit Stackable Smart Managed Switch including 2 10G SFP+ and 2 SFP ports (smart fans)
- DGS-1510-28: 28-Port Gigabit Stackable Smart Managed Switch including 2 10G SFP+ and 2 SFP ports (smart fans)
- DGS-1510-28X: 28-Port Gigabit Stackable Smart Managed Switch including 4 10G SFP+ (smart fans)
- DGS-1510-28P: 28-Port Gigabit Stackable PoE Smart Managed Switch including 2 10G SFP+ and 2 SFP ports (24 x PoE ports, smart fans)
- DGS-1510-52: 52-Port Gigabit Stackable Smart Managed Switch including 2 10G SFP+ and 2 SFP ports

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ports (smart fans)

The DGS-1510 Series is D-Link's latest generation of Smart Managed switches with 10G port connectivity, making them ideal for deployment in SME/SMB aggregation environments. The DGS-1510 Series provides a reliable and scalable interconnection between core switches and edge switches with rich capabilities and simplified flexibility. Available in 16, 24 or 48 10/100/1000 Mbps port models, with additional fibre ports for physical stacking and / or uplinks.

The DGS-1510 Series PoE-enabled switches are ideal for businesses looking to power VoIP phones, wireless access points or network cameras. The DGS-1510-28P 24-port PoE Switch supports up to 30W of power output giving you flexibility in power allocation for a variety of powered devices. This enables you to scale your operations to meet business growth and incorporate new technologies all with affordable installation costs.

10G SFP+ Stacking/Uplink Ports

Depending on whether linear or fault-tolerant ring stacking is implemented, users can use one or two 10-Gigabit SFP+ ports to create a physical stack. 6 units or 288 Gigabit ports can be configured as a stack using optional direct attach cables to provide high bandwidth on the DGS-1510 Series with cost efficiency. Users can mix from any of the DGS-1510 Series in a single stack to allow simultaneous and easy configuration, management and troubleshooting. With 20Gbps full duplex, the DGS-1510 Series offers 10G connectivity to core networks as well as servers with 10G capability while maintaining high performance and minimal impact to the data transfer rates.

Layer 3 Traffic Management

The DGS-1510 Series provides static route, allowing you to segment your network into workgroups and communicate across VLANs without degrading application performance. With these capabilities, you can boost the efficiency of your network by offloading internal traffic-handling tasks from your router and allowing it to manage external traffic and security.

Extensive Layer 2 Features

The DGS-1510 Series switches are equipped with a complete lineup of Layer 2 features including IGMP Snooping, Port Mirroring, Spanning Tree, and Link Layer Discovery Protocol (LLDP). The IEEE

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802.3x Flow Control function allows servers to directly connect to the switch for fast, reliable data transfer. Network maintenance features include Loopback Detection and Cable Diagnostics. Loopback Detection is used to detect loops created by a specific port or VLAN and automatically shuts down the affected port or VLAN. The Cable Diagnostics feature, designed primarily for administrators and customer service representatives, can quickly discover the type of error on cables as well as determine cable quality.

Traffic Classification & QoS

The DGS-1510 Series supports Auto Surveillance VLAN (ASV) and Auto Voice VLAN, which are best suited for VoIP and video surveillance deployments. Auto Surveillance VLAN is a new, industry-leading technology built into D-Link Smart Switches. This technology consolidates data and surveillance video transmission through a single Smart Managed switch, sparing businesses the expense of maintaining expensive dedicated hardware and facilities. ASV also ensures the quality of real-time video for monitoring and control without compromising the transmission of conventional network data. The Auto Voice VLAN technology enhances VoIP service by automatically placing voice traffic from an IP phone to an assigned VLAN. With higher priority and an individual VLAN, these features guarantee the quality and security of VoIP traffic. Furthermore, the DSCP markings on Ethernet packets enable different levels of service to be assigned to network traffic. As a result, these voice and video packets take precedence over other packets. In addition, with per flow Bandwidth Control, network administrators can reserve bandwidth for important functions that require more bandwidth or might require high priority.

Securing Your Network

D-Link's innovative Safeguard Engine protects the switches against traffic flooding caused by malicious attacks. The switches also support 802.1X port-based authentication, allowing the network to be authenticated through external RADIUS servers.

The DGS-1510 Series has both MAC & Web-based Access Control supported, these provide a user friendly way to alleviate deployment time, giving customers an effective and efficient authentication choice without the complexity in securing their networks.

Additionally, the Access Control List (ACL) feature enhances network security and helps to protect the internal IT network by screening ingress traffic based on any user defined content. The DGS-

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1510 Series includes ARP Spoofing Prevention, which protects from attacks on the Ethernet network that may allow an intruder to sniff data frames, modify traffic, or bring traffic to a halt altogether by sending fake ARP messages to the network. For added security, the DHCP Server Screening feature screens rogue DHCP server packets from user ports to prevent unauthorized IP assignment.