

## **D-Link DGS- 3130-54S Managed L3 Black, Grey**



Model: DGS-3130-54S/SI

Manufacturer: D-LINK

EAN: 790069435317

Product Code: 764177

## **R45,996**

The DGS-3130 Series is a range of Lite Layer 3 Stackable Managed Switches designed to help connect end-users in a secure enterprise or metro Ethernet access network. These switches support multicast and enhanced security features, making them an ideal Gigabit access layer solution. The DGS-3130-30TS/54TS provide 24 or 48 10/100/1000 Mbps Gigabit Ethernet ports. The DGS-3130-30PS/54PS provide 24 or 48 10/100/1000 Mbps Power over Ethernet (PoE) Gigabit Ethernet ports. The DGS-3130-30S/54S provide 24 or 48 SFP Gigabit Ethernet ports. Each 10/100/1000 Mbps port on the DGS-3130-30PS/54PS supports the IEEE 802.3af and IEEE 802.3at PoE standards. The default power budget for these models is 370 watts and can be expanded to 740 watts with the DPS-700 redundant power supply. The switches are also equipped with a USB 2.0 port, allowing the user to boot images and upload configuration files directly, as well as conveniently save syslog files to an USB 2.0 storage device.

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## Enhanced Network Reliability

The DGS-3130 Series targets enterprises and metro Ethernet applications, and customers who require a high level of network security and maximum uptime. All the models in the DGS-3130 Series support an external redundant power supply to ensure continued operation. In addition, these switches incorporate essential reliability features to enhance network resilience, including 802.1D Spanning Tree (STP), 802.1w Rapid Spanning Tree (RSTP), and 802.1s Multiple Spanning Tree (MSTP), Loopback Detection (LBD), and Broadcast Storm Control. ITU-T G.8032 Ethernet Ring Protection Switching (ERPS) minimizes the recovery time to 50 ms. For load sharing and redundancy backup in a switch cascading/server attachment configuration, the DGS-3130 Series provides dynamic 802.3ad Link Aggregation Port Trunking.

## Comprehensive Security Features

The DGS-3130 Series provides users with security features such as Multi-layer and Packet Content Access Control Lists (ACL), Storm Control, and IP-MAC-Port Binding (IMPB) with DHCP Snooping. The IP-MAC-Port Binding feature allows administrators to bind a source IP address with an associated MAC and define the port number to enhance user access control. With the DHCP Snooping feature, the switch automatically learns IP/MAC pairs by snooping DHCP packets and saving them to the IMPB white list.

## Easy Access Control Policies

The DGS-3130 Series supports authentication mechanisms such as 802.1X, Web-based Access Control (WAC), and MAC-based Access Control (MAC) for strict access control and easy deployment. After authentication, individual policies such as VLAN membership, QoS policies, and ACL rules can be assigned to each host. In addition, the switch also supports Microsoft® NAP (Network Access Protection). NAP is a policy enforcement technology that helps customers protect network assets from compromised computers by enforcing compliance with network health policies.

## Power over Ethernet Support

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The DGS-3130-30PS and DGS-3130-54PS support industry standard IEEE 802.3at power over Ethernet across all Gigabit copper ports. They feature a total power budget of 370 W, capable of supplying up to 30 W of power per port to connected PoE-enabled devices. The PoE power budget can be increased to 740 W when the DPS-700 redundant power supply is used in conjunction. Power over Ethernet helps simplify deployment of surveillance devices and access point infrastructures by reducing cable clutter, eliminating the need for dedicated power supplies, and allowing PoE devices to be installed in remote locations.

## **Versatile Traffic Management**

The DGS-3130 Series implements a rich set of multi-layer QoS/CoS features to help ensure that critical network services such as VoIP, video conferences, IPTV, and IP surveillance are always given high priority. Traffic Shaping features guaranteed bandwidth for these services when the network is busy. L2 Multicast support enables the DGS-3130 Series to handle growing IPTV applications. Host-based IGMP/MLD Snooping allows multiple multicast subscribers per physical interface while ISM VLAN allows the switches to send multicast streams in a multicast VLAN to save bandwidth and to provide better security to the backbone network. The ISM VLAN profiles allow administrators to bind or replace the pre-defined multicast registration information to subscriber ports quickly and easily.

## **Lifetime Warranty and NBD Replacement**

D-Link offers a Lifetime Warranty and Next Business Day (NBD) hardware replacement on the DGS-3130 Series Lite Layer 3 Stackable Managed Switches to further its commitment to product quality and long-term customer confidence.

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