DES-1210-28

24-port Smart Switch, with 2 Gigabit Ports and 2 Combo 10/100/1000Base-T/SFP Gigabit Uplinks

- Third generation design, with improved management and security functions
- 24 Fast Ethernet ports and 4 Gigabit uplinks
- Fanless design ideal for use in open offices
- Solid security with IP-MAC-port binding and 802.1X authentication
- Malicious traffic and performance degradation prevention with D-Link Safeguard Engine™
- Auto Voice VLAN for the automatic prioritisation of digital voice traffic
- Quality of service (QoS) and bandwidth control (down to 64 kbps)
- High Reliability with Loopback Detection (LBD) and cable diagnostics
- Simple Web based management
- SmartConsole utility for the joint management of several switches

The DES-1210-28 is part of D-Link's third generation of Web Smart Switches that integrates advanced management and security functions for performance and scalability.
While easy to use, the DES-1210-28 provides a complete and affordable solution for small and medium businesses (SMB). It includes an innovative fanless design in a 19" metal case.

Seamless Integration
All ports support auto-negotiation of MDI/MDIX crossover, making crossover cables or uplink ports redundant. This brings inexpensive and easy connectivity to your desktop. At 2000 Mbps Full Duplex, the Gigabit uplinks provide high-speed data pipes to servers or a backbone with minimum data transfer loss.

Comprehensive Security
D-Link's innovative Safeguard Engine function protects the switch against traffic flooding caused by virus attacks. In addition, the switch supports Access Control Lists (ACL) and 802.1X port-based authentication through external RADIUS servers. IP-MAC-Port Binding allows administrators to trace the location of IP addresses by binding the source IP to its associated MAC address and source port.
For added security, the DHCP Server Screening feature[1] screens rogue DHCP server packets from user ports to prevent unauthorised IP assignment.

QoS and bandwidth control
The switch is ideal for deployment in a VoIP environment, as it supports Auto Voice VLAN and Differentiated Services Code Point (DSCP) QoS for VoIP application. Auto Voice VLAN will automatically place voice traffic from an IP phone to an assigned VLAN and by doing so enhance the VoIP service. With a higher priority and individual VLAN, this feature guarantees the quality and security of VoIP traffic. DSCP marks parts of an IP packet, enabling different levels of service to be assigned for network traffic.
With Bandwidth Control, the network administrator can reserve bandwidth for important functions that require a larger bandwidth or higher priority.

Extensive Layer 2 features
The switch is equipped with a complete lineup of Layer 2 features, including IGMP

Snooping, Port Mirroring, Spanning Tree and Link Aggregation Control Protocol (LACP). Network maintenance features include Loopback Detection and Cable Diagnostics. Loopback Detection is used to detect loops created by a specific port and automatically shut down the affected port. Cable Diagnostics is designed for network administrators to quickly examine the quality of the copper cables and also determine the type of cable error.

Versatile Management
This third generation of Web Smart Switches provides growing businesses with simple and easy management of their network using an intuitive SmartConsole utility or a web-based management interface.
The SmartConsole easily allows administrators to discover multiple D-Link Web Smart Switches within the same L2 network segment: switches are displayed on screen for instant access. With this utility, users do not need to change the IP address of their PC; it also provides an easy initial set up of the Smart Switches. This allows extensive switch configuration settings
and basic configuration of discovered devices such as password changes and firmware upgrades.
The DES-1210-28 also supports D-View 6.0 and Compact Command Line Interface (CLI) through Telnet. D-View 6.0 is a Network Management System that allows for the central management of critical network characteristics such as availability, reliability, resilience, and security in a consistent way.
D-View 6.0 provides a useful set of tools for network administrators who want to effectively manage device configurations, fault tolerance, performance, and security.

[1]available in a future firmware release

Specifications

Interface
- 24 10/100Base-TX Ethernet ports
- 2 Combo 10/100/1000Base-T/SFP Gigabit Uplinks
- 2 Gigabit copper ports

Performance/Resilience
- Switch fabric: 12.8 Gbps

Security
- ACL based on MAC address or IP address (ICMP/IGMP/TCP/UDP)
- 802.1X RADIUS authentication support
- IP-MAC-port binding
- DHCP Snooping[1]
- DHCP Server Screening[1]
- D-Link Safeguard Engine™

VLAN
- 802.1Q VLAN Tagging
- Max. 256 static VLAN groups
- Max. 4094 VIDs

- Management VLAN
- Asymmetric VLAN
- Auto Voice VLAN

Quality of Service (QoS)
- 802.1p Priority Queues, 4 queues per port
- Port based bandwidth control (granularity down to 64 kbps)

Traffic Management
- 802.3x Flow Control
- Port mirroring
- Broadcast/Multicast/Unicast Storm Control
- 802.3ad Link Aggregation (up to 8 groups, 8 ports per group)
- IGMP Snooping (v1/v2)

Configuration/Management
- Web-based GUI
- SmartConsole utility
- Command Line Interface (CLI) through Telnet
- Supports D-View SNMP network management