



Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for D-LINK DES-1210-28. You'll find the answers to all your questions on the D-LINK DES-1210-28 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual D-LINK DES-1210-28
User guide D-LINK DES-1210-28
Operating instructions D-LINK DES-1210-28
Instructions for use D-LINK DES-1210-28
Instruction manual D-LINK DES-1210-28



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Fanless Design

- Allows for noiseless operation
- Saves energy while lowering costs
- Provides continuous, reliable and eco-friendly operation

Security Features

- Access Control List secures network
- D-Link Safeguard Engine protects CPU from Broadcast/Multicast/Unicast flooding
- Port Security supports 64 MACs per port

Intuitive Management

- Manage using SmartConsole or web-based GUI
- Built-in MIB browser for SNMP Management
- D-View 6.0 module support
- Compact CLI through Telnet

VoIP Deployment

- Highest priority for VoIP services
- Auto Voice VLAN

QoS

- Ensure time-sensitive data gets delivered efficiently
- Supports IEEE 802.1p QoS up to 4 802.1p Priority Queues
- DSCP QoS

Advanced Features

- Loopback Detection auto disables port when loop is detected
- Cable Diagnostics allows administrator to determine cable status
- Configurable MDI/MDIX

Trap & Logs

- SNMP Trap supports link and STP state change
- Trap for SmartConsole Utility

Online Help

- Link to local support web site
- Downloadable user guide
- Real-time manual checks

24/48-Port Web Smart Switch

D-Link's DES-1210 Series is the latest generation of Web Smart Switches. Equipped with 24 or 48 10/100Mbps ports, 2 10/100/1000BASE-T ports, and 2 combo 10/100/1000BASE-T/SFP ports, the series integrates advanced management and security functions that provide performance and scalability. While easy to use, the DES-1210 Series provides a complete and affordable solution for small and medium businesses. Management options for the switches include SNMP, Web Management, SmartConsole Utility, and Compact Command Lines. The series also supports ACL filtering and D-Link's Safeguard Engine. Furthermore, the DES-1210-28/26 uses Auto Voice VLAN, ensuring higher priority for voice traffic. Both models come with an innovative fanless design in 19" rack sizes.

Seamless Integration

The Web Smart Switches are designed to provide SMB users a complete control over the network. With Ethernet and Gigabit copper ports capable of connecting to existing Cat5 twisted-pair cables, these switches eliminate the need for a complex reconfiguration process. The DES-1210 Series allows for flexible connection to a backbone or servers. Additionally, all ports support auto-negotiation of MDI/MDI-X crossover, or configurable auto MDI and therefore do away with crossover cables or uplink ports. This brings inexpensive and easy connectivity to your desktop.

Extensive Layer 2 Features

Equipped with a complete lineup of L2 features, these switches include IGMP Snooping, Port Mirroring, Spanning Tree 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 transfer. At 2000Mbps Full Duplex, the Gigabit ports provide high-speed data pipes to servers with minimum data transfer loss. 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.

QoS, Bandwidth Control

The switches are perfect for deployment in a VoIP environment, as they support 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 might have high priority.

Secure your Network

D-Link's innovative Safeguard Engine function protects the switches against traffic flooding caused by virus attacks. The switches also support 802.1X port-based authentication, allowing the network to be authenticated through external RADIUS servers. In addition, the Access Control List (ACL) feature enhances network security and helps to protect the internal IT network. The DES-1210 Series includes ARP Spoofing Prevention, which protects from attacks on the Ethernet network that may allow an intruder to sniff data frames on a LAN, modify traffic, or bring traffic to a halt altogether by sending fake ARP messages to the network. To prevent ARP Spoofing attacks, the switch uses Packet Control ACLs to block invalid packets that contain fake ARP messages. For added security, the DHCP Server Screening feature screens rogue DHCP server packets from user ports to prevent unauthorized IP assignment.

Versatile Management

The new generation of Web Smart Switches provides growing businesses simple and easy management of their network using an intuitive SmartConsole utility or a web-based management interface that enables administrator to remotely control their network down to the port level. The SmartConsole easily allows customers to discover multiple D-Link Web Smart Switches within the same L2 network segment. With this utility, users do not need to change the IP address of their PC and it also provides an easy initial setting of the Smart Switches. 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 extensive switch configuration settings and basic configuration of discovered devices such as password changes and firmware upgrades.

The DES-1210 Series 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. CLI management of the switches is possible via Telnet. This makes the adjustment of basic settings like password changes or firmware and configuration file uploads possible.



SWITCH

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Manual abstract:

Equipped with 24 or 48 10/100Mbps ports, 2 10/100/1000BASE-T ports, and 2 combo 10/100/1000BASE-T/SFP ports, the series integrates advanced management and security functions that provide performance and scalability. While easy to use, the DES-1210 Series provides a complete and affordable solution for small and medium businesses. Both models come with an innovative fanless design in 19" metal cases. Seamless Integration The Web Smart Switches are designed to provide SMB users a complete control over the network. With Ethernet and Gigabit copper ports capable of connecting to existing Cat.5 twisted-pair cables, these switches eliminate the need for a complex reconfiguration process. The DES-1210 Series allows for flexible connection to a backbone or servers. Additionally, all ports support auto-negotiation of MDI/MDIX crossover, or configurable auto MDI and therefore do away with crossover cables or uplink ports. This brings inexpensive and easy connectivity to your desktop. Extensive Layer 2 Features Equipped with a complete lineup of L2 features, these switches include IGMP Snooping, Port Mirroring, Spanning Tree 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 transfer. At 2000Mbps Full Duplex, the Gigabit ports provide high-speed data pipes to servers with minimum data transfer loss. Network maintenance features include Loopback Detection and Cable

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3ab 1000BASE-T Gigabit Ethernet (twisted-pair copper) IEEE 802.3z Gigabit Ethernet (fiber) ANSI/IEEE 802.3 Auto-negotiation IEEE 802.3x Flow Control Number of Ports Network Cables Full/Half Duplex Media Interface Exchange DES-1210-28: 24 10/100Mbps, 2 10/100/1000BASE-T, 2 combo 10/100/1000BASE-T/SFP DES-1210-52: 48 10/100Mbps, 2 10/100/1000BASE-T, 2 combo 10/100/1000BASE-T/SFP UTP Cat. 5, Cat. 5e (100 m max.) EIA/TIA-568 100-ohm STP (100 m max.) Full/half duplex for 10/100Mbps speeds Full duplex for Gigabit speed Auto MDI/MDIX adjustment for all twisted-pair ports DES-1210-28: 12.8Gbps DES-1210-52: 17.6Gbps Store-and-forward 8K entries per device Up to 256 static MAC entries Enable/disable auto-learning of MAC addresses DES-1210-28: 9.

5 Mpps DES-1210-52: 3.1 Mpps DES-1210-28: 512KB per device DES-1210-52: 1MB per device 100 to 240 VAC 50/60Hz internal universal power supply DES-1210-28: 17.6W DES-1210-52: 28.9W DES-1210-28: 7.6W/110V, 7.

9W/240V DES-1210-52: 13.2W/110V, 13.3W/240V DES-1210-28: 0 DES-1210-52: 0 DES-1210-28: 0dBa DES-1210-52: 60.05 BTU/hr DES-1210-52: 98.61 BTU/hr 0° to 40° C -10° to 70° C 10% to 95% non-condensing Performance Switching Capacity Transmission Method MAC Address Table MAC Address Update Maximum 64 bytes packet forwarding rate RAM Buffer Physical & Environmental AC Input Maximum Power Consumption Standby Power Consumption Fan Quantity Acoustics Heat Dissipation Operating Temperature Storage Temperature Operating Humidity 02 DES-1210-28 / 52 24/48-Port Web Smart Switch Storage Humidity Dimensions 5% to 95% non-condensing DES-1210-28: 440 mm x 210 mm x 44mm DES-1210-52: 441 mm x 250 mm x 44 mm 19-inch standard rack mounting width, 1U height DES-1210-28: 2.

6 kg DES-1210-52: 3.3 kg Power (Per device) Link/Activity/Speed (Per 10/100/1000Mbps port) Link/Activity/Speed (Per 10/100Mbps port)

Link/Activity/Speed (Per SFP port) FCC Class A CE Class A VCCI Class A C-Tick Weight Diagnostic LEDs Emission (EMI) MTBF Safety DES-1210-28: 419,467hrs DES-1210-52: 289,012hrs cUL, LVD Software Features L2 Features MAC Address Table DES-1210-28: 8K DES-1210-52: 8K Flow Control 802.3x Flow Control HOL Blocking Prevention IGMP Snooping IGMP v1/v2 Snooping Support 256 IGMP groups Supports at least 64 static multicast addresses IGMP per VLAN Supports IGMP Snooping Querier Spanning Tree Protocol 802.1D STP 802.1w RSTP Loopback Detection 802.3ad Link Aggregation DES-1210-28: Max. 8 groups per device/8 ports per group DES-1210-52: Max. 8 groups per device/8 ports per group Port Mirroring * Available in future release One-to-One Many-to-One Supports Mirroring for Tx/Rx/Both Cable Diagnostics Configurable Auto MDI/MDIX Multicast Filtering* Forwards all unregistered groups Filters all unregistered groups VLAN 802.1Q VLAN Group Max. 256 static VLAN groups Max.

4094 VIDs Management VLAN Asymmetric VLAN Auto Voice VLAN Max. 10 user defined OUI Max. 8 default OUI QoS (Quality of Service) 802.1p Quality of Service 4 queues per port Queue Handling Strict Weighted Round Robin (WRR) CoS based on 802.1p Priority Queues DSCP Bandwidth Control Port-based (Ingress/Egress, min. granularity 64Kb/s) Access Control List (ACL) Max. 50 profiles Max. @@@@@289 Xinhua 3rd Road, Neihu, Taipei 114, Taiwan Specifications are subject to change without notice.



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