D-Link
**Building Networks for People**

Highlights

Easy Management

A multilingual Web UI, a compact CLI, and a variety of management features allow the switches to integrate with your existing network

IPv6 Ready

IPv6 compliance means that the switches are ready to meet future addressing standards, and are compatible with both your IPv4 and IPv6 network

Robust Design

High EMC endurance, fanless design, and wider operating temperature range and dust resistant.
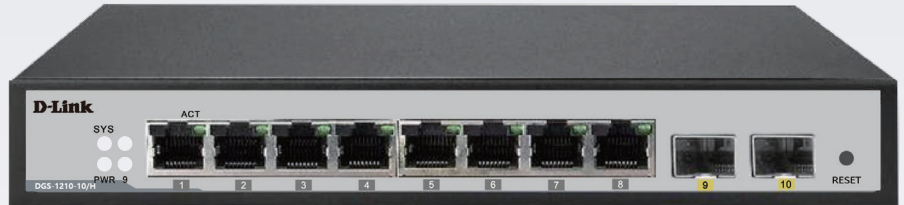
DGS-1210-10/H
Managed Switch

Features
- Link status detection
- Port shut-off
- System hibernation

Security Features
- Access Control Lists (ACLs)
- ARP Spoofing Prevention

Intuitive Management
- Compact Command Line Interface (CLI) through Telnet, SSH

Advanced Features
- IEEE 802.1Q and port based VLAN
- IEEE 802.1p Quality of Service (QoS)
- STP/RSTP/MSTP
- Port mirroring
- Link aggregation
- Bandwidth control
- Broadcast storm control
- IGMP/MLD Snooping

About the Switch

DGS-1210-10/H is a managed switch for security transmission and WIFI coverage, meet the WIFI AP, IP-camera, WIFI bridge, IP phones and other types of equipment. Products using a new generation of high-performance hardware and software platforms, providing flexible, cost-effective full Gigabit access and uplink ports, complete security mechanisms, improved ACL / QoS strategy and rich VLAN capabilities, it is easy to manage and maintain, meet the users' requirements for network equipment easy to manage, high security and low cost and advanced Layer 2 features. It is suitable for network access, aggregation and core applications in campus, hotel, and enterprise campus.

Advanced Features

The DGS-1210-10/H switch comes equipped with a complete lineup of L2 features, including 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 switch also supports advanced features such as static routes, which allow network administrators to divide the network into VLANs, increasing network efficiency. The DGS-1210-10/H supports Voice VLAN and Port VLAN, allows voice and video traffic to be automatically identified and handled differently than regular network traffic, adding a layer of isolation and allowing Quality of Service (QoS) to be applied.
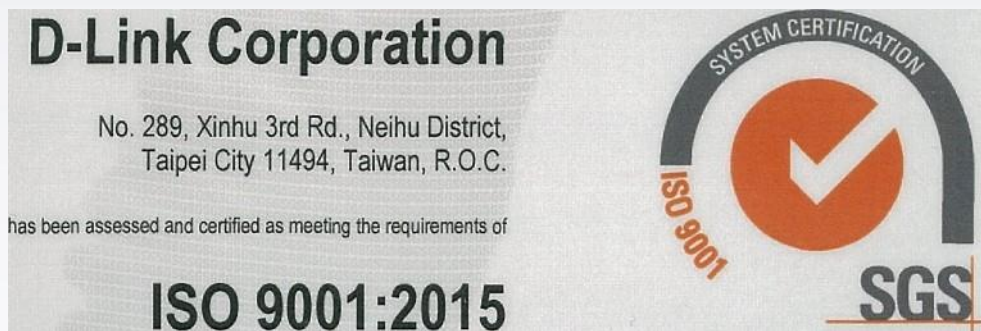
Advanced Access Control

The Access Control List (ACL) feature helps to enhance network security and helps to protect the internal IT network. To help prevent ARP spoofing attacks, the switch uses packet control ACLs to block invalid packets that contain fake ARP messages. The DHCP server screening feature filters DHCP replies on unauthorized ports to prevent them from being assigned an IP address.

Technical Specifications

General

Model	• DGS-1210-10/H
Interfaces	• 8 x 10/100/1000BASE-T
	• 2 x 100/1000 Mbps SFP ports
Port Standards	• IEEE 802.3: Ethernet Media Access Control (MAC) protocol IEEE 802.3i:10BASE-T Ethernet
	• IEEE 802.3u:100BASE-TX fast Ethernet IEEE 802.3ab:1000BASE-T gigabit Ethernet
	• IEEE 802.3z:1000BASE-X gigabit Ethernet fiber） IEEE 802.3ad: comply link aggregation standard IEEE 802.3x: flow control
	• IEEE 802.1p: About the traffic priority of the second layer of QoS / Cos protocol (multicast filtering)
	• IEEE 802.1q: VLAN Bridge operation IEEE 802.1d:STP spanning tree IEEE 802.1s: MSTP spanning tree
	• IEEE 802.1w: RSTP spanning tree

Uplink Port Settings

From Port	• Specifies the start port in the range for Uplink Ports. These are used for connecting the surveillance VLAN with other switches.
To Port	• Specifies the end port in the range for Uplink Ports. These are used for connecting the surveillance VLAN with other switches.
Network Cables	• UTP Cat. 5, Cat. 5e (100 m max.)
Duplex Mode	• Full/Half-duplex for 10/100 Mbps
	• Full duplex for 1000 Mbps

Performance

Switching Capacity	• 20 Gbps
Transmission Method	• Store-and-forward
MAC Address Table	• 8K entries
Maximum 64 Byte Packet Forwarding Rate	• 14.88 Mpps

LED's

Power	1
System	1
Link/Active/Speed (per port)	10 (LED's)

Physical/Environmental

Power Input	• DC:12V 1A
Lightning Protection	• 6KV (For ethernet ports)
Operating Temperature	• -5°C ~ 50°C
Storage Temperature	• -40°C to 70°C
Operating Humidity	• 0% to 95% relative humidity no condensation
Storage Humidity	• 5% to 90% relative humidity no condensation
Ventilation	• Fanless, Dust resistant
Dimensions (L x W x H)	• 225 x 120 x 35 mm
Certifications	• EMI, CE, FCC, Safety: UL,

Software		
Shortcut function	•	AI VLAN
	•	AI Extend (1-8 port 250meters distance)
	•	AI QOS (Video priority)
L2 Features	•	802.3ad Link Aggregation
	•	Port Control
	•	Jumbo Frame 10k bytes
VLAN	•	Support 4K VLAN
	•	Support 802.1Q VLAN, Port VLAN, Voice VLAN
	•	Support GVRP, Support MAC VLAN, IP VLAN
MAC address table	•	Comply the IEEE 802.1d standard
	•	Support MAC address learning and aging automatically
	•	Support static, dynamic, filter address table
Safety	•	Based on user rating management and password protection
	•	Support based on the port number, IP address, MAC address restrictions on user access
	•	ICMP-echo, DoS protection
	•	Support DHCP Snooping, DHCP attack protection
	•	Support port security, port isolation
Access control (ACL)	•	Support L2(Layer 2) ～L4(Layer 4) packet filtering function
	•	Support port mirroring, port redirection, flow rate limit, QoS re- marking
Multicast	•	Support IGMP v1/v2/v3 Snooping
	•	Support static multicast
	•	Support MLD v1/v2 Snooping
QoS	•	Support 8 port queue
	•	Support port priority, 802.1p Quality of Service, DSCP priority
	•	Support SP、WRR、WFQ Priority scheduling algorithm
Spanning Tree	•	Support STP (IEEE 802.1d)，RSTP (IEEE 802.1w) and MSTP (IEEE 802.1s) protocol
	•	Support loop protection, BPDU Protection
Security Features	•	Broadcast/Multicast/Unicast Storm Control (Known/Unknown)
	•	DoS attack prevention
	•	ARP Inspection
Web-based GUI and maintenance	•	Support Web-based GUI
	•	Support CLI (Telnet, SSH V1/V2)
	•	Support SNMP V1/V2/V3
	•	Support LLDP
	•	Support IP Source protection DoS protection
	•	Support CPU monitor memory monitoring
	•	Support system log
	•	Support cable testing

Package Content	
1pcs	Switch
1pcs	Power adaptor(12V,1A)
1pcs	Manual
1pcs	Warranty Card
1pcs	Bracket

D-Link Corporation

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has been assessed and certified as meeting the requirements of

ISO 9001:2015

SYSTEM CERTIFICATION
ISO 9001
SGS

Design, Development & Marketing of Wired and Wireless Network Products, including Hardware, Software and Services of LAN & WAN Products, Broadband Access Products, Home Networking Products, IP Telephony Products, Network Content Server / Storage Server, Networked Multimedia Devices, Network Security Devices, Network Cameras, Mobile Products, USB Devices and other Network, Communication related Products.