DIGISOL®

SWITCHING SOLUTIONS

INDIA'S OWN IT NETWORKING CHOICE

DIGISOL 8 Port L3 Lite Switch

DG-GS2610E

3 YEARS WARRANTY*

Key Features:-

- 8x10/100/1000Mbps RJ-45 ports and 2x1G SFP
- Energy Efficient
- Fan less design
- RADIUS & TACACS+ Authentication
- IPv4/v6 functionality
- Ethernet Ring Protection Switching (ERPS)
- Multicast Features including MVR (Multicast VLAN Register)



Introduction:-

DIGISOL DG-GS2610E is a new-generation intelligent gigabit access switch designed for small to large scale networks. Based on the new-generation high-performance hardware, it supports functions such as ACL, QinQ and QoS. Its simple management mode and flexible installation can meet the requirement of any complicated scenarios.

Product Characteristics:-

Rich L2 Features

DG-GS2610E supports ring protection protocol with less than 50ms recovery time, STP/RSTP/MSTP, backup uplink ports, and LACP link aggregation. The switch has powerful ACL functions to access and control L2-L7 data based on physical port, providing flexible and various policy control methods. It supports In-Service Software Upgrade (ISSU) to ensure the unremitting data forwarding during system upgrade, various L2 multicast functions such as IGMP-snooping, fast-leave and MVR to fully meet the operation requirements of IPTV.

Comprehensive IPv6 Solutions

DG-GS2610E supports the IPv6 protocol suite, IPv6 neighbor discovery, ICMPv6 and Path MTU discovery. Supports IPv6 Ping, Traceroute, Telnet, SSH and ACL on the basis of IPv6, meeting IPv6 networks' equipment management requirements and service.

Enhanced QoS

DG-GS2610E supports priority re-tagging and complicated flow classification based on VLAN, MAC, source address, destination address, IP or priority, better streamlining of network services. The switch provides flexible bandwidth control policies, supporting port-flow-based flow limit, ensuring the line speed forwarding of each port. It also supports multiple queue schedule algorithms such as SP, WRR and “SP + WRR”.

Security+

Equipment-level security: The advanced hardware infrastructure design realizes the level- based packet schedule and packet protection, prevents DoS / TCP related SYN Flood, UDP Flood, Broadcast Storm or large traffic attacks, and supports level - based command line protection, endowing different levels of users with different management permissions. The switch supports perfect security authentication mechanisms: IEEE 802.1x, Radius and Tacacs+. DG-GS2610E supports storm/multicast/unicast limit, ensuring the normal running of equipment in harsh network conditions, perfect ring detection mechanism, ensuring the long-term stable running of network. Features like port isolation within the same VLAN, DHCP-Snooping, and IP + MAC + Port binding. Easy Management and Maintenance, many management modes such as the CLI, Telnet, SSH, SSL and SNMP are also supported.

DG-GS2610E supports the WEB management mode, which is easy and efficient for installing and debugging the device, FTP,TFTP and SFTP for advanced users to manage the switch. ISSU (In-Service Software Upgrade) and SNMP, NMS supported for smart network management. The combination realizes automatic equipment discovery, network topology management, equipment configuration management, performance data statistics and analysis and trouble management. The Zero Touch Provisioning (ZTP) function supported on the switch helps to minimize manual operator intervention and helps reduce initial deployment costs.

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Technical Specifications:-

Item	DG-GS2610E
Interface	8 Port Gigabit RJ45, 2 Port Gigabit SFP
Console Port	1 RJ45 Port
Reset	1 RST button
Backplane	20 Gbps
Forwarding rate	15 Mpps
Chassis Dimensions (WxDxH) (mm)	280x180x44
Weight (KG) (empty)	1.55
Package Dimensions (WxDxH) (mm)	346x289x92
Weight (KG)	2.55
Power consumption	No-load: <3W, Full-load: 10W
Power supply	AC: 100V-240V, 50Hz±10%, 15W
Total output BTU (1000BTU/H=293W)	51.19
Fan number	0
Noise@25°C (dBA)	0
MTBF(H)	>200,000
Forwarding mode	Store-forward
Flash (MB)	16
DRAM (MB)	128
MAC	8K
Buffer size(Mb)	4.1
Jumbo frame	9K
Total SVI	10

MAIN FEATURES:

Item	DG-GS2610E
VLAN	4K Active VLAN
	QinQ & Selective QinQ
	GVRP, Private VLAN
	Voice-VLAN
Spanning Tree	802.1D (STP), 802.1W (RSTP) and 802.1S (MSTP)
	BPDU guard, Root guard, Loopback guard
Multicast	IGMP v1/v2/v3, IGMP Snooping,
	IGMP Fast Leave, IGMP filter, MVR
IP	Static route
	RIP, OSPF
	128 Routing Table
	IPv4/IPv6 Dual stack
QoS	CAR, HQoS MAC/IP/TCP/UDP/VLAN/COS/DSCP/TOS based
	QoS 802.1P/ DSCP priority re-labeling,
	SP, WRR, and SP+WRR
	Tail-Drop, WRED, flow monitoring
	DHCP Server/Client/Relay and Traffic shaping

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Technical Specifications:-

MAIN FEATURES:

Item	DG-GS2610E
Security	Port isolation, Port security and IP+MAC+port binding MAC sticky DHCP snooping/option82
	DAI & IP source guard, PPPoE+
	IEEE 802.1x, AAA Radius and TACACS+
	L2/L3/L4 ACL flow identification & filtration Anti-attack from DDoS, TCP's SYN Flood, UDP Flood, etc.
	Broadcast/multicast/unknown unicast storm-control
	MD5, SHA-256, RSA-1024, AES256, etc.
Reliability	Static/LACP link aggregation
	Interface backup
	EAPS and ERPS, ISSU
Management	Console, Telnet
	SSH v1/2, HTTP, HTTPS
	SNMP v1/v2/v3, RMON
	TFTP, FTP, SFTP
	NTP, ZTP (Zero Touch Provisioning)
	SPAN, RSPAN
Accessories	Power cord, Rackmount kits
	Console cable, Anti Slipping Pad
Environment	Operating temperature: -10°C -50°C
	Operating humidity: 10%-90% non-condensing
	Storage temperature: -20°C to -70°C
	Storage humidity: 5%-95% non-condensing

Rear View :



Ordering Information:-

DG-GS2610E: DIGISOL 8-Port Gigabit RJ45 + 2-Port Gigabit SFP L3-lite Managed Switch (single AC-220V power supply; fanless, 1U, desktop or rack-mounted installation)

*Warranty shall be subject to terms and conditions specified in the DIGISOL PRODUCT WARRANTY displayed on the website of the company.

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