DIGISOL®

SWITCHING SOLUTIONS

INDIA'S OWN IT NETWORKING CHOICE

DIGISOL 24 Port L3 Lite Switch

DG-GS2628E

3 YEARS WARRANTY*



Key Features:-

- 24*10/100/1000Mbps RJ45 ports
- 4*1G SFP slots
- L3 features like RIP, OSPF
- Advanced QoS
- 4KV Thunder protection
- STP, RSTP, MSTP
- ZTP (Zero-Touch-Provisioning)
- L2 multicast functions like IGMP snooping
- ISSU - Service Software Up-grade

Introduction:-

DIGISOL DG-GS2628E is a new-generation intelligent gigabit access switch designed for small, medium and large networks. Based on the new-generation high- performance hardware and software supporting 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-GS2628E supports the Ethernet- ring protection protocol with less than 50ms recovery time, STP/RSTP/MSTP, backup uplink ports, and LACP link aggregation to cater to the requirements of high reliability. The switch has powerful ACL functions to access and control L2-L7 data based on physical port, providing flexible and various policy control methods, supports In-Service Software Upgrade (ISSU) to ensure the unremitting data forwarding during system upgrade. DG-GS2628E supports various L2 multicast functions such as IGMP-snooping, fast-leave and MVR to fully meet the operation requirements of IPTV.

Comprehensive IPv6 Solutions

DG-GS2628E supports the IPv6 protocol suite, IPv6 neighbor discovery, ICMPv6 and Path MTU discovery. The switch supports Ping, Traceroute, Telnet, SSH and ACL on the basis of IPv6, meeting IPv6 networks' equipment management requirements and service control requirements. DG-GS2628E supports complicated flow classification based on VLAN, MAC, source address, destination address, IP or priority, better streamlining services.

Enhanced QoS

DG-GS2628E provides flexible bandwidth control policies, supporting port-/flow-based flow limit, ensuring the line speed forwarding of each port.

DG-GS2628E supports multiple queue schedule algorithms such as SP, WRR and “SP + WRR”.

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Product Characteristics:-

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.

Perfect security authentication mechanisms: IEEE 802.1x, Radius and Tacacs+.

DG-GS2628E supports storm/multicast/unicast limit, ensuring the normal running of equipment in harsh network conditions. The switch supports perfect ring detection mechanism, ensuring the long-term stable running of network. DG-GS2628E supports port isolation within the same VLAN, DHCP-Snooping, and IP + MAC + Port binding.

Easy Management and Maintenance

DG-GS2628E supports many management modes such as the CLI, Telnet, SSH, SSL and SNMP, WEB management modes and also support FTP, TFTP and SFTP.

The switch supports ISSU (In-Service Software Upgrade).

DG-GS2628E supports SNMP and NMS smart network management platform. The combination realizes automatic equipment discovery, network topology management, equipment configuration management, performance data statistics and analysis and trouble management. It supports Zero Touch Provisioning (ZTP) function to minimize manual operator intervention and helps reduce customers' initial deployment costs.

Technical Specifications:-

Item	DG-GS2628E
Interface	24 Port Gigabit RJ45, 4 Port Gigabit SFP
Console	1 RJ45 Port, 1 RST button
Backplane	56 Gbps
Forwarding rate	42 Mpps
Chassis Dimensions (WxDxH) (mm)	440x210x44
Weight (KG) (empty)	2
Package Dimensions (WxDxH) (mm)	555x295x88
Weight (KG)	3
Power consumption	No-load: <7W, Full-load: 20W
Power supply	AC: 100V-240V, 50Hz±10%, 25W
Total output BTU (1000BTU/H=293W)	85.32
Fan number	No
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

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Technical Specifications:-

MAIN FEATURES:

Item	DG-GS2628E
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
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

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Technical Specifications:-

MAIN FEATURES:

Item	DG-GS2628E
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-GS2628E: DIGISOL L3-lite Managed Switch with 24*10/100/1000Mbps Ethernet ports and 4*1G SFP ports. Supports Single AC-220V power supply.

*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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