DIGISOL®

SWITCHING SOLUTIONS

INDIA'S OWN IT NETWORKING CHOICE

DIGISOL Gigabit PoE Intelligent Switch

DG-GS2628HPE

3 YEARS WARRANTY*

Key Features:-

- 24 10/100/1000Mbps BaseT ports
- 4x1G SFP ports
- L3 features like RIP, OSPF
- Advanced QoS
- 4KV Thunder protection
- STP, RSTP, MSTP
- ZTP (Zero-Touch-Provisioning)
- L2 multicast functions like IGMP snooping



Introduction:-

DIGISOL DG-GS2628HPE is a fully managed new-generation intelligent PoE access switch designed for medium and large 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. Complete L2+ and additional, L3 lite features makes it an excellent choice for small, medium or enterprise level networks.

Product Characteristics:-

Intelligent PoE+

DG-GS2628HPE supports IEEE 802.3af/at PoE standard, and power mapping scales up to a maximum of 370W of PoE+ power.
The PoE+ power to the PD is maintained during a switch reload. It supports both manual and dynamic PoE power allocation. It supports up to 4KV thunder-proof of the PoE port and power supply

Enhanced QoS

DG-GS2628HPE supports priority retagging and complicated flow classification based on VLAN, MAC, source address, destination address, IP or priority, better streamlining services. DG-GS2628HPE provides flexible bandwidth control policies, supporting port-/flow-based flow limit, ensuring the line speed forwarding of each port. It supports multiple queue scheduling 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.

Perfect security authentication mechanisms: IEEE 802.1x, Radius and TACACS+, storm/multicast/unicast limit and perfect ring detection mechanism, ensuring the long-term stable running of network are supported on the switch. DG-GS2628HPE supports port isolation within the same VLAN, DHCP-Snooping, and IP + MAC + Port binding.

Easy Management and Maintenance

DG-GS2628HPE supports many management modes such as the CLI, Telnet, SSH, SSL and SNMP; FTP, TFTP, SFTP. DG-GS2628HPE supports WEB management mode, which is easy and efficient for installing and debugging the device. ISSU (In-Service Software Upgrade) supports easy software upgrades.

DG-GS2628HPE can also be managed through SNMP and NMS, ZTP for smart network management. The combination realizes automatic equipment discovery, network topology management , equipment configuration management , performance data statistics and analysis and trouble management.

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Technical Specifications:-

Item	DG-GS2628HPE
Interface	24-Port Gigabit PoE+, 4 Gigabit SFP
Console	1 RJ45 port, 1 RST button
Backplane	56 Gbps
Forwarding rate	42 Mpps
Chassis Dimensions (WxDxH) (mm)	440x210x44
Weight(KG)(empty)	2.2
Package Dimensions (WxDxH) (mm)	555x295x88
Weight (KG)	3.3
Power consumption:	
No-load	< 17W
Full-load	393.5W
Power supply	AC: 100V-240V, 50Hz±10% 400W
PoE power budget	370 W
Total output BTU (1000BTU/H=293W)	1365.19
Fan number	2
Noise@25°C（dBA)	37.5
MTBF(H)	>50,000
Forwarding mode	Store-forward 16
Flash (MB)	16
DRAM (MB)	128
MAC	8K
Buffer size(Mb)	4.1
Jumbo frame	9K
Total SVI	10

MAIN FEATURES:

Item	DG-GS2628HPE
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 and loopback guard
Multicast	IGMP v1/v2/v3, IGMP Snooping, IGMP Fast Leave
	MVR, IGMP filter
IP	Static route, RIP, OSPF,
	128 Routing Table
	IPv4 Dual stack
	DHCP Server/Client/Relay
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 and traffic shaping

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Technical Specifications:-

MAIN FEATURES:

Item	DG-GS2628HPE
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-GS2628HPE: DIGISOL 24 port L3 Lite fully managed Switch with 24 10/100/1000Mbps PoE/PoE+ ports and 4 Gigabit SFP ports. Supports Single AC power supply, 110~240V, 50-60Hz.

*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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