



# DIGISOL®

## SWITCHING SOLUTIONS

### DIGISOL L2 Gigabit Dual Stack Intelligent Switches

## DG-GS4628HPE-P



#### Key Features:-

- Energy Efficient with Energy saving feature & Fan less design
- Advanced Security features including RADIUS & TACACS+ Authentication
- Supports Ethernet Ring Protection Switching (ERPS)
- Supports Multicast Features including MVR (Multicast VLAN Register)



#### Introduction:-

DIGISOL DG-GS4628HPE-P switch is a Layer 2 Gigabit intelligent switch. It supports comprehensive QoS, enhanced VLAN functions (VLAN, Voice VLAN, QinQ, N: 1 VLAN Translation etc), Ethernet Ring Protection Protocol (G.8032), classified bandwidth control, intelligent security control, OAM (Operations, Administration and Maintenance), manageability functions and Triple-Play services. DG-GS4628HPE-P switch also offers green features like IEEE 802.3az (Energy Efficient Ethernet), Fanless design feature, which can dramatically lower power consumption. This switch with full GE ports and 4 SFP uplink ports, integrates advanced management and security functions to provide performance and scalability.

#### Technical Specifications:-

##### HARDWARE FEATURES

###### Ports

- 24x10/100/1000Base-T
- + 4 x 1000Base-SFP

###### Performance

- Switching Capacity : 56Gbps
- Forwarding Rate : 41.7Mpps
- MAC address : 16K
- Jumbo Frame : 12K

- ACL Table : 2K
- Queues Per Port : 8
- VLAN Table : 4K

###### Physical

- Dimension (W×H×D) : 440mm x 260mm x 43.6mm
- Power Input : 100~240VAC, 50~60Hz

- Temperature Working : 0°C~50°C, Storage -40°C~70°C
- Relative Humidity : 5%~95%, non-condensing
- PoE : IEEE 802.3af POE (15.4W), IEEE 802.3at POE+ (30W), PoE Budget: 370w



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### Technical Specifications:-

#### MAIN FEATURES

##### • Storage & Forwarding

###### VLAN

- Port-based VLAN
- IEEE802.1Q
- Private VLAN
- Protocol VLAN
- Voice VLAN
- MAC VLAN
- Q-in-Q, Selective QinQ, Flexible QinQ
- VLAN Translation, N:1 VLAN Translation

###### DHCP

- IPv4/ IPv6 DHCP Client
- IPv4/ IPv6 DHCP Relay Option 82, Option 37/38
- IPv4/ IPv6 DHCP Snooping
- IPv4/ IPv6 DHCP Server

##### • Reliability

###### SPANNING TREE PROTOCOL

- 802.1D Spanning Tree
- 802.1w Rapid Spanning Tree
- 802.1s Multiple Spanning Tree
- Root Guard
- BPDU Guard
- BPDU Forwarding

###### LACP

- 16 groups / 8 ports

###### L2 Ring Protection

- MRPP
- ITU-T G.8032

- Loopback Detection
- Fast Link

##### • Security Features

- IP ACL, MAC ACL, MAC-IP ACL, User-Defined ACL
- Time Range ACL
- ACL on VLAN interface
- Storm Control based on packets & bytes
- Port Security, MAC Limit based on VLAN and Port
- Anti-ARP-Spoofing, Anti-ARP-Scan, ARP Binding
- ND Snooping
- Dynamic ARP Inspection (DAI)
- IEEE 802.1x
- Authentication, Authorization, Accounting
- Radius & TACACS+

##### • Multicast

- IGMP Snooping (V1,v2,v3)
- IGMP Fast Leave
- MLD v1/ v2 Snooping
- MVR

##### • QOS Features

- 8 Queue Per Port
- Bandwidth Control
- Flow Redirect
- Classification based on
- ACL (Access Control List)
- VLAN ID
- COS
- TOS

- DSCP
- Policy Based on Port & VLAN
- Remark DSCP, COS/ 802.1p, Precedence, TOS
- SP, WDRR, SWDRR for Scheduling
- Match the IP fragmentation of message

##### • Maintenance & Operation Management

- TFTP/FTP
- CLI, Telnet, Console
- Web/SSL (IPv4/IPv6)
- SSH (IPv4/IPv6)
- SNMPv1/v2c/v3
- SNMP Trap
- Public & Private MIB interface
- RMON 1,2,3,9
- Ping, Trace Route
- Radius Authentication
- Syslog (IPv4/IPv6)
- SNTNTP/NTP (IPv4/IPv6)
- Dual IMG, Multiple Configuration Files
- Port Mirror, CPU Mirror, RSPAN
- VCT, DDM
- OAM
- ULDP (Like Cisco UDLD)
- LLDP/LLDP MED

##### • Green Energy

- IEEE 802.3az (Energy Efficient Ethernet)
- FAN less and Smart FAN design
- LED Shut-Off

### Ordering Information:-

DG-GS4628HPE-P: DIGISOL L2 Gigabit Intelligent Ethernet PoE Switch with 24\*10/100/1000Base-T and 4\*1000Base-SFP ports

\*Lifetime 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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