



# DIGISOL®

## SWITCHING SOLUTIONS

### DIGISOL L2 Gigabit Dual Stack Intelligent Switches

## DG-GS4610HPE

#### 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-GS4610HPE switches are series of Layer 2 Gigabit intelligent switches. 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-GS4610HPE switches also offers green features like IEEE 802.3az (Energy Efficient Ethernet), Fan-less design feature, which can dramatically lower power consumption. This series switches with full GE ports, integrates advanced management and security functions to provide performance and scalability.

#### Hardware Features

Item	DG-GS4610HPE
Ports	8x10/100/1000Base-T 2x1G SFP Port 1 Console Port
Performance	
Switching Capacity	20Gbps
Forwarding Rate	14.88Mpps
MAC address	8K
Jumbo Frame	9K
ACL Table	1.5K+256
Queues Per Port	8
VLAN Table	4K
Physical	
Dimension(W×H×D)	330 x 220 x 43.6 mm
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: 124w



**DIGISOL®**

# SWITCHING SOLUTIONS

## 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:

- DG-GS4610HPE/IS: 8 groups / 8 ports

#### L2 Ring Protection

- MRPP      - ITU-T G.8032
- Fast Link      - Loopback Detection

#### 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, SDWRR, DWRR 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)
- SNTP/NTP (IPv4/IPv6)
- Dual IMG, Multiple Configuration Files
- Port Mirror, CPU Mirror, RSPAN, ERSPAN
- sFlow      - 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-GS4610HPE: DIGISOL L2 Gigabit Intelligent Ethernet PoE Switch with 8x10/100/1000Base-T and 2x1G SFP Port.

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

DIGISOL Logos are trademarks and/or registered trademarks of DIGISOL SYSTEMS LIMITED. Other trademarks, product, service and company names mentioned are the property of their respective owners. Information is subject to change without notice. The actual product appearance may differ from the one shown here. © 2023 DIGISOL SYSTEMS LIMITED. All rights reserved.

DIGISOL is a Subsidiary of Smartlink Holdings Limited

**DIGISOL SYSTEMS LIMITED**  
CITIPOINT, 7th Floor,  
Unit No. B-701, B-702 & B-703,  
Andheri-Kurla Road, J. B. Nagar,  
Andheri (East),  
Mumbai - 400059, INDIA



1800-209-3444



[www.digisol.com](http://www.digisol.com)



[helpdesk@digisol.com](mailto:helpdesk@digisol.com)

[@DIGISOLINDIA](https://www.facebook.com/DIGISOLINDIA)