



DIGISOL®

SWITCHING SOLUTIONS

DIGISOL L2 Gigabit Dual Stack Intelligent Switch

DG-GS4610E

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-GS4610E switch is 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-GS4610E switch also offers green features like IEEE 802.3az (Energy Efficient Ethernet), Fan-less design feature, which can dramatically lower power consumption. This switch with full GE ports, integrates advanced management and security functions to provide performance and scalability.

Hardware Features

Item	DG-GS4610E
Ports	8x10/100/1000Base-T + 2x1G SFP
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)	250 x 180 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	NA



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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

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, WRR, SWRR, 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)
- SNT/NT/PT (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

1000
Mbps

IPv6

Ordering Information:-

DG-GS4610E: L2 Gigabit Intelligent Ethernet Switch with 8x10/100/1000Base-T with 2x1G SFP

*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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