

## DIGISOL L2 Gigabit Dual Stack Intelligent Switches

### DG-GS4628E2

#### 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)
- 19" rack mountable



#### Introduction:-

**DIGISOL** DG-GS4628E2 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-GS4628E2 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 integrates advanced management and security functions to provide performance and scalability.

#### Technical Specifications:-

##### HARDWARE FEATURES

###### Ports

- 24x10/100/1000Base-T
- 1x Console Port
- 1x USB Port

###### Performance

- Switching Capacity : 56Gbps
- Forwarding Rate : 41.7Mpps

- MAC address : 16K
- Jumbo Frame : 10K
- ACL Table : 2048
- Queues Per Port : 8
- VLAN Table : 4K

###### Physical

- Dimension (W×H×D) :  
442mm x 220mm 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

# 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

###### L3 Features

- Static Routing
- PBR

###### 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)
- SNT/NT (IPv4/IPv6)
- Dual IMG, Multiple Configuration Files
- Port Mirror, CPU Mirror, RSPAN, sFlow
- 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

##### • Certifications

- CE available

### Ordering Information:-

**DG-GS4628E2 (Rev 3.0.1):** DIGISOL L2 Gigabit Intelligent Ethernet Switch with 24\*10/100/1000Base-T and 4\*100/1000Base-SFP ports

\*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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