



# DIGISOL®

## SWITCHING SOLUTIONS

### DIGISOL 24 port L3-lite Stackable Managed Rack mount Industrial Switch

## DG-IS4628SE



#### Key Features:-

- Lightning protection level: 6KV
- IP40 protection
- Industrial fanless thermal conduction,
- Supports dual 220V wide-voltage industrial power input
- Supports STP/EAPS/ERPS, Supports
- ERPS
- Static routing, dynamic routing (RIP, OSPF), VRRP
- Supports virtual stacking
- MTBF is more than 800,000 hours
- Operating temperature: -40°C~85°C



#### Introduction:-

DIGISOL DG-IS4628SE, based on the brand-new high-performance hardware and software system supports rich Layer-2/Layer-3 routing and industrial ring network protocols. DG-IS4628SE adopts die-casting aluminum shell and standard 19-inch rack-mounted installation and provides redundant wide-voltage industrial power supplies. With the reliable industrial Ethernet ring technology, its hardware-based algorithm can ensure node self-healing time less than 5 milliseconds, and the ring network self-healing time less than 50 milliseconds (typical value).

DIGISOL DG-IS4628SE, with low power consumption, wide temperature and wide voltage in compliance with strict industry standards, can adapt to harsh environment requirements for EMC, anti-vibration and shock-proof capabilities, IP40 protection level. DG-IS4628SE can be widely used in energy, transportation, industrial production, environmental protection, military industry.

DG-IS4628SE: 16 Gigabit TX ports + 8 TX/SFP combo ports + 4 GE/10GE SFP+ ports

#### Hardware Specifications:-

Model Number	DG-IS4628SE
Interface	16 GE TX ports, 8 TX/SFP combo ports, 4 GE/10GE SFP+ ports
Console	1 RJ45 port
Backplane	128 Gbps
Forwarding Rate	96 Mpps
Chassis Dimensions (W x D x H) mm	440 x 280 x 44
Chassis Weight (when empty)	2.7 Kg
Package dimension (W x D x H) mm	576 x 448 x 94
Package weight	3.5 Kg



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### Hardware Specifications:-

Model Number	DG-IS4628SE
Power consumption (No Load)	15.5W
Power consumption (full-load)	33.25W
Power Input	Dual AC 100~240V
Total Output BTU (1000BTU/H=293W)	113.48
MTBF (H)	>800,000
Forwarding mode	Store-forward
Flash Memory	16 MB
DRAM	256 MB
MAC	16K
Buffer size	12 MB
Jumbo frame	9K
Total SVI	64

### Technical Specifications:-

#### 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
- IPv4/v6 dual stack

#### IPv6

- ICMPv6, DHCPv6, ACLv6 and Telnet
- IPv6 neighbor discovery, Path MTU discovery
- MLD V1, MLD snooping
- IPv6 Static Routing, RIPng, OSPFv3
- Manual tunnel, ISATAP tunnel, 6 to 4 tunnel

#### 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

#### Security

- Port isolation, Port security, and "IP+MAC+port" binding, MAC sticky

- DAI & IP source guard, PPPoE+
- IEEE 802.1x, AAA, Radius and Tacacs+
- L2/L3/L4 ACL flow identification
- Port security, IP+MAC+port binding 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.

#### Virtualization

- Support BDCOM Virtual Stacking System (BVSS)

#### DHCP

- DHCP server/relay/client
- DHCP snooping/option82



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### Technical Specifications:-

#### Reliability

- Static/LACP link aggregation, Interface backup
- EAPS and ERPS
- ISSU uninterrupted system upgrade
- BVSS, ups to 16-units per stack
- VRRP
- UDLD

#### Management

- Console, Telnet, SSH v1/2, HTTP, HTTPS, SNMP v1/v2/v3, RMON

- TFTP, FTP, SFTP
- NTP
- ZTP
- SPAN, RSPAN

#### Environment

- Operating temperature/humidity: - 40~85°C , 10%-90% non-condensing
- Storage temperature/humidity: - 40~85°C , 5%-95% non-condensing

#### Accessories

- Power cord, Rackmount kit, Console cable

Rear View :



### Ordering Information:-

**DG-IS4628SE: DIGISOL Managed L3-Lite industrial switch with 16 Gigabit TX port, 8 Gigabit TX/SFP combo ports and 4 10GE SFP+ ports, dual industrial AC (100~240V), 19" rack-mount**

\*\*Power Adapter not included with the package.

\*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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