



DIGISOL®

SWITCHING SOLUTIONS

DIGISOL Gigabit L2 Managed Industrial Switch

DG-IS4514E

Key Features:-

- Wide-range working temperature
- Advanced Hardware Architecture
- Industry-leading Port Density
- Varied Service Characteristics
- Versatile IPv6 Solution
- Complete Security Mechanism
- IP40 protection 6KV lightning protection



FANLESS DESIGN

Introduction:-

DIGISOL DG-IS4514E is based on a new generation of high-performance hardware and supports ACL, QinQ and QoS. DG-IS4514E with standard DIN-Rail shell provides wide-voltage dual power input. DG-IS4514E uses highly reliable industrial Ethernet ring network technology. The hardware-based algorithm can ensure that the self-healing time of each node is less than 5 milliseconds, and the self-healing time of the ring network is less than 50 milliseconds (typical value).

The reliable industrial design of DG-IS4514E such as electromagnetic compatibility, anti-vibration and anti-shock capability, and IP40 protection can be widely used in energy, transportation, industrial production, environmental protection and military industries.

Product Features:-

- Lightning protection level: 6KV
- IP40 protection, industrial fan-less thermal conduction
- DIN-rail aluminum alloy shell, which is compact and convenient
- Supports STP/EAPS/ERPS
- Supports node self-healing time less than 5 milliseconds and ring network self-healing time of less than 50 milliseconds (typical value)
- Supports forming a self-healing ring network between any two ports, and supports multiple Independent self-healing rings
- Provides a data packet loss protection mechanism for quickly recovering from failures
- Provides hierarchical bandwidth services through rate limiting and traffic shaping in the layer-2 QoS function
- Supports Simple Network Management Protocol (SNMP) and Cloud-based Operating Platform (COP)



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Technical Specifications:-

Model Number	DG-IS4514E
Interface	10 GE TX ports, 4 100/1000M SFP ports
Console	1 RJ45 port
Switching capacity	28 Gbps
Forwarding Rate	21 Mpps
Dimensions (W x D x H) mm	188 x 130 x 64
Weight (when empty)	1.24 Kg
Package dimension (W x D x H) mm	242 x 207 x 86
Package weight	1.8 Kg
Power consumption (No Load)	< 12W
Power consumption (full-load)	20W
Power Supply	Dual DC 12~55V
Total Output (1000BTU/H=293W)	68.26
MTBF (H)	>800,000
Forwarding mode	Store-forward
Flash Memory	16 MB
DRAM	128 MB
MAC	8K
Buffer size	4 MB
Jumbo frame	9K
Total SVI	10
Operating temperature	-40~85°C



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Features:-

<p>VLAN</p> <ul style="list-style-type: none">• 4K VLAN entries• GVRP• QinQ• Private VLAN <p>Ring Protection</p> <ul style="list-style-type: none">• 802.1D (STP), 2802.1W (RSTP), 802.1S (MSTP)• BPDU protection, root protection and ring protection• EAPS• ERPS <p>Multicast</p> <ul style="list-style-type: none">• MVR• IGMP snooping• IGMP Fast Leave• Multicast group policy and multicast number limit <p>IP routing</p> <ul style="list-style-type: none">• Default Gateway <p>DHCP</p> <ul style="list-style-type: none">• DHCP client• DHCP snooping	<p>QoS</p> <ul style="list-style-type: none">• Car traffic control• 802.1P / DSCP priority remark• Multiple queuing algorithms such as SP, WRR or SP+ WRR• IP ACL/ANY/VLAN/COS/DSCP/ IP Preference based QoS• Traffic supervision and traffic shaping• Drop, redirect <p>Security Features</p> <ul style="list-style-type: none">• Identification and filtering of L2/L3/L4-based ACL• Suppression of broadcast multicast and unknown unicast packet• Port isolation• Port security, IP+MAC+port binding• DHCP snooping, DHCP option82• IEEE 802.1x authentication• Radius and BDTacacs authentication• Command line hierarchical protection <p>Reliability</p> <ul style="list-style-type: none">• Static/LACP• Ethernet OAM• ISSU• Back-up link	<p>Management and maintenance</p> <ul style="list-style-type: none">• Console, Telnet, SSH 2.0• Zero Touch Provisioning (ZTP)• Browser-based WEB management• SNMP v1/v2/v3• Upload and download files through TFTP• Remote Network Monitoring (RMON) <p>IPv6</p> <ul style="list-style-type: none">• ICMPv6, DHCPv6, ACLv6, IPv6 Telnet• IPv6 Neighbour Discovery• Path MTU Discovery• MLD Snooping <p>ACL</p> <ul style="list-style-type: none">• L2/L3/L4 ACL• IPv4, IPv6 ACL• VLAN ACL
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Ordering Information:-

DG-IS4514E: DIGISOL Managed Industrial Switch with 4 Gigabit SFP Ports and 10 Gigabit TX Ports

**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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