



DIGISOL™

SWITCHING SOLUTIONS

DIGISOL L2 Managed Din-Rail Industrial Gigabit PoE Switch

DG-IS4512HPE

Key Features:-

- 8 x 10/100/1000M RJ-45 ports + 4 x 1000M SFP
- 8K MAC forwarding address
- Support fast ring, Support 30 No of switches max. in a cascade systems, Self-healing in 20ms Min.
- Support relay alarm output for power off, link failure
- Provides 8 PoE ports, up to 30W per port
- IP30 Enclosure
- 48~57VDC Dual power input and relay output
- -40 ~ 75°C wide-range operating temperature
- 6KVA Lightning & Surge Protection



FANLESS DESIGN

Introduction:-

DIGISOL DG-IS4512HPE switch is designed for Industrial applications. Thanks to its wide operating temperature it can operate reliably in extremely harsh environments. Designed with 8 10/100/1000M PoE ports & 4 1000M SFP ports which provides abundant and flexible connection. The switch support surge protection to ensure system stability for greater user flexibility.

Technical Specifications:-

Communications

- Standard : IEEE 802.3, 802.3u, 802.3x, 802.3z, 802.3ab, 802.3af, 802.3at
- LAN : 10/100/1000Base-T (X), 1000Base-SX/LX,
- Transmission Distance:
Up to 100 m (4 - wire Cat.5e, Cat.6 RJ45cable suggested for Gigabit port)
SFP: Up to 80 km (depends on SFP)
- Transmission Speed:
Ethernet: 10/100/1000 Mbps
Fiber: 1000 Mbps

Interface

- Connectors :
8 x RJ45 (Gigabit), 4 x SFP Ports
1 removable 6-contact terminal block (Phoenix terminal)
- LED Indicators :
RJ-45: Link/Activity, SFP: Link/Activity
- PoE Budget : 150W max.

Mechanism

- Enclosure : IP30, Metal shell with solid mounting kits
- Dimensions : 159 x 110 x 46.5 mm
- Mounting : Din-rail & Wall mounting

Power

- Power Input : 48~57V DC, Redundant Dual Power Input.

Environment

- Operating Temperature : -40 ~ 75°C
- Storage Temperature : -40 ~ 85°C
- Operating Humidity : 05 ~ 95% (non condensing)
- Storage Humidity : 10 ~ 95% (non-condensing)



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Technical Specifications:-

Port Management

- Support Port Enable/Disable
- Support Port Rate Settings
- Support Port Full-duplex Mode
- Support IEEE802.3x Flow Control
- Support Port Name Change

VLAN

- Support 4K VLAN
- Support 802.1Q Protocol-Based VLAN
- Support Port-Based VLAN

QoS

- Support QoS
- Support 8-Level Priority management for switching
- Support WRR
- Support 820.1P and DSCP Priority

Multicast Management

- Support SNMP V1/V2/V3 Protocol
- Support IGMP Snooping

PoE Management

- Support Total Power Consumption Control
- Support PoE ON/OFF

Security

- Support IP, MAC, Port, VLAN Combination and Binding
- Support MAC address auto-learning, aging & filter
- Support Port Isolation, Port Security, Port Speed-Limited
- Support RSTP
- Support Fast-Ring
- Support 5 groups of 8-Port trunk
- Support RADIUS Authentication & 802.1X Authentication

System Management & Maintenance

- Support WEB Management, CLR Settings and telnet Settings

- Support CLR Settings
- Support FTP/TFTP/HTTP Web Upgrading
- Support Flow Calculate
- Support MAC address Form Search
- Support IP Address, DNS Server Change
- Support Username & Password Change
- Support History Record, Journal management
- Support System settings Backup

Ordering Information:-

DG-IS4512HPE*: DIGISOL Industrial L2 Managed switch with 8 Gigabit PoE ports & 4 Gigabit SFP ports

*Limited Lifetime 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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