

# DIGISOL

## SWITCHING SOLUTIONS

**1<sup>st</sup>** INDIAN  
BRAND  
IN IT NETWORKING

### DIGISOL 24 Port Layer 2 Web managed Gigabit Ethernet PoE+ Switch with 2 Giga Combo Ports + 2 Gigabit SFP Ports

## DG-GS1528HP/C

#### Key Features:-

- 24 10/100/1000Base-TX +PoE ports + 2 gigabit Combo ports (RJ45/SFP) + 2 gigabit SFP ports.
- STP / RSTP / MSTP
- Loop detection
- IGMP Snooping
- SNMP
- Quality of Service (QoS)
- Support IPv6 Neighbor Discovery
- Power Over Ethernet (PoE) Budget: 270W

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#### Introduction:-

**DIGISOL DG-GS1528HP/C** is a Lite-Managed switching product. It is a intelligent network manageable switch designed for network environments that require high performance, high port and low port density and easy for installation. It provides 24 10/100/1000Base-TX ports + 2 gigabit Combo ports (RJ45/SFP) + 2 gigabit SFP ports.

#### Performance and Scalability

It's a great entry level managed switch with 56 Gbps switching capacity. Wire-speed switching performance helps to take full advantage of existing high-performance on PCs and laptops by significantly improving the responsiveness of applications and file transfer times. The device also has Four Gigabit SFP ports for high speed uplinks to servers or backbones.

#### Continuous Availability

IEEE 802.1w Rapid Spanning Tree Protocol provides a loopfree network and redundant links to the core network with rapid convergence, to ensure faster recovery from failed links, enhancing overall network stability and reliability. IEEE802.3ad Link Aggregation Control Protocol (LACP) increases bandwidth by automatically aggregating several physical links together as a logical trunk and providing load balancing and fault tolerance for uplink connections.

#### Comprehensive QoS

Traffic is prioritized according to 802.1p giving optimal performance to real time applications such as voice and video.

#### Enhanced Security

Port Security ensures access to switch ports based on MAC address. Thus limiting the total number of devices from using a switch port and protects against MAC flooding attacks.

#### Simplified Management

User friendly web interface facilitates ease of management. It also supports to be managed and controlled by network station.

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### Technical Specifications:-

#### • Physical Ports

Networking Interfaces :

- 24 x 10/100/1000 Mbps Rj45 Ethernet Ports
  - 2 gigabit combo ports (RJ45/SFP)
  - 2 x gigabit SFP Ethernet Ports
- Management Interface :
- Console
  - LED Indicators :
  - Power, Link/Act, PoE

#### • Performance

- Switching Capacity : 56 Gbps
- Forwarding Capacity : 41.7Mpps
- Forwarding Mode : Store and Forward
- MAC Address Table : 8K
- Max. Jumbo Frame size : 16K
- VLAN Quantity : 4K
- ACL Table : 512
- L3 Interface : 32
- Port Queues : 8
- PoE Budget : 270W

#### • L2 Features

Port Configuration :

- Auto-Negotiation for port speed and duplex mode
- Flow Control: Support IEEE802.3x full-duplex and half-duplex backpressure
- Storm Control: broadcast, multicast and DLF package rate limit
- Port Mirroring: Rate Limit
- Link Aggregation: Up to 8 maximum aggregation groups
- Aggregation Strategy: Source/Destination MAC / Source Destination MAC
- Source/ Destination IP / Source Destination IP
- Port Protection
- Port Loop Detection
- EAPS Protocol
- ERPS Protocol
- LLDP Protocol
- UDLD Protocol

#### • Spanning Tree Protocol

- Support STP / RSTP / MSTP (max 16 instance)
- Loopback Detection
- BPDU Filter
- BPDU Guard

#### • Multicast

- Static multicast MAC address
- IGMP Snooping:
- IGMP Querier IGMP Proxy
- MVR, GMRP

#### • MAC Configuration

- Support IVL transfer mode
- Static MAC address
- MAC binding
- MAC Address Filter

#### • VLAN Configuration

- VLAN Based on 802.1Q
- MAC-Based VLAN
- IP-Based VLAN
- Protocol-Based VLAN
- Voice VLAN
- Guest VLAN
- Private VLAN
- Support 1:1 VLAN Mapping
- Double VLAN Markup: basic QinQ

#### • Access Control List (ACL)

- Based on Standard IP/ Extend IP/ MAC IP/ MAC ARP
- Based on time
- Port Filtering

#### • QoS Features

- Scheduling Mode: WRR, SP, WFQ
- Based on Port
- Based on 802.1p
- DSCP(DiffServ)
- Based on ACL Data Flow
- COS and DSCP

#### • Security

- IP and MAC ACL
- 802.1x
- RADIUS, AAA

- MAC-based 802.1X authentication
- Support 802.1x guest VLAN
- Mac address Binding
- Support Broadcast storm control
- RADIUS, AAA
- Port Security, Protected Port
- Prevent ARP Spoofing

#### • IPv6

- ICMPv6
- IPv6 Neighbor Discovery
- MLD Snooping
- IPv6 Telnet

#### • Management

- CLI/ WEB/ SNMP Management
- Support multi-user management
- TACACS+
- Configuration Download/Upload
- Upgrade Firmware
- Timer Management
- OAM: Support 802.3ah Support 802.1ag
- DHCP Server/Client
- Log Management
- RMON: Support RMON 1,2,3,9 group
- Cluster Management: Neighbor discovery / Topology discovery Manual and automated join cluster group Cluster unification management

#### • Debugging Tool

- PING , TRACEROUTE, TELNET Client

#### • Standards

- IEEE802.3, IEEE802.3u,
- IEEE802.3ab, IEEE802.3z,
- IEEE802.3af, IEEE802.3at

#### • Mechanical

- Dimensions: 440 x 200 x 44 mm
- Weight: 4.5kg

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### Technical Specifications:-

- **Environmental specification**

- Operating Temperature: 0 to 50°C  
(For PoE power consumption < 250W)
- Storage Temperature: -10 to 70°C
- Operating Humidity: 5 to 95%  
Non-condensing

- **Power supply**

- AC Power 100-240VAC, 50/60Hz

- 6Kv input Surge Protector

- **Warranty**

DIGICARE Limited Lifetime Warranty



### Optional Accessories:-

DG-SA1030: DIGISOL 1000Base-SX SFP Transceiver LC Type

DG-SA1133: DIGISOL 1000Base-LX SFP Transceiver LC Type

### Ordering Information:-

**DG-GS1528HP/C: DIGISOL 24 Port Layer 2 Web Managed Gigabit Ethernet PoE+ Switch with 2 Giga Combo Ports + 2 Gigabit 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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\*Made In India products are available in specific part codes, please contact Digisol Sales Representative / Authorised Distributor for delivery schedule.