DIGISOL 8 port L2 Web Managed Gigabit Ethernet Switch with 2 Gigabit SFP Ports

DG-GS4110

Key Features:-

- 8 10/100/1000 Base-TX ports + 2 gigabit SFP ports
- STP / RSTP / MSTP
- IGMP Snooping, SNMP
- Quality of Service (QoS)
- Supports IEEE 802.1x user authentication
- Supports ERPS and loop detection.
- Support IPv6 Neighbor Discovery
- Supports Web / SNMP / SSH / Telnet (IPv6 ready)
- Supports 6Kv input Surge protection
- Compact and Fan-less design

3 YEARS WARRANTY*

Introduction:-

DIGISOL DG-GS4110 is a Web Managed switching product. It is an intelligent network manageable switch designed for network environments that require high performance, high port density and easy for installation. It provides 8 Gigabit Ethernet and 2 Giga SFP ports. It supports VLAN, Port Mirroring and Port Trunking, Layer 3 function such as static routing and static ARP

Performance and Scalability
It's a great L2 managed switch with 20 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 two 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.

Technical Specifications:–

- **Physical Ports**
  Networking Interfaces :
  - 8 x 10/100/1000 Mbps Rj45 Ethernet Ports
  - 2 x 1 Gbps SFP Ethernet Ports
  LED Indicators :
  - Power, Link/Act

- **Performance**
  - Switching Capacity : 20 Gbps
  - Forwarding Capacity : 14.9Mpps
  - 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

- **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 (RFC3619)
  - ERPS Protocol (G.8032/Y.1344)
  - LLDP Protocol and LLDP-MED
  - UDLD (compatible with CISCO)

- **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 Configuartion**
  - 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

- **Layer 3 Switching**
  - Static ARP
  - Static Routing

- **Access Control List (ACL)**
  - Based on Standard IP/ Extend IP/ MAC IP/ MAC ARP
  - Based on time
  - Port Filtering

- **QoS Features**
  - Scheduling Mode: DWRR, 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

Technical Specifications:-

- **Debugging Tool**
  - PING , TRACEROUTE, TELNET Client

- **Standards**
  - IEEE802.3, IEEE 802.3u,
  - IEEE802.3ab, IEEE802.3z,

- **Mechanical**
  - Dimensions:
    240mm x 104mm x 29mm
  - Installation:
    Wall mounting/Desktop.

- **Environmental specification**
  - Operating Temperature: 0 to 40°C
  - Storage Temperature: -10 to 70°C
  - Operating Humidity: 5 to 95%
    Non-condensing

- **Power supply**
  - +44~57VDC (External Power
    Adapter)
  - Max. power consumption: 10W
  - 6Kv input Surge Protector

Ordering Information:-

DG-GS4110: DIGISOL 8 port Layer 2, Web Managed Gigabit Ethernet Switch with 2 Giga SFP Ports.

*Warranty shall be subject to terms and conditions specified in the DIGISOL PRODUCT WARRANTY displayed on the website of the company.

Power

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