



**DIGISOL®**

# SWITCHING SOLUTIONS



Manufacturing Since 1986

## DIGISOL 24 Port Gigabit Ethernet Unmanaged Desktop Switch

### DG-GS1024D



#### Key Features:-

- 24 x 10/100/1000Mbps RJ-45 Nway ports
- Supports Auto-Negotiation & Non-Blocking Wire Speed
- Supports High-Speed Networking and Jumbo Frames
- Supports Store and Forward Architecture
- Supports Auto MDI/MDI-X Crossover
- Energy Efficient
- Fan-less Design
- IEEE802.3x Full-duplex flow control
- Plug and Play installation
- Switching Capacity: 48Gbps Backplane



#### Introduction:-

**DIGISOL DG-GS1024D** is a 10/100/1000 Mbps Unmanaged Ethernet Desktop Mount switch designed to enhance network performance. The switch comes with 24x10/100/ 1000Mbps ports, offering solutions for accelerating bandwidth needs of small Ethernet workgroups. The switch uses store and forward packet switching technology which offers reliable data transfer. This switch is ideal for network connectivity for the SOHO/SME environment. It is a best choice for enhancing your network with higher performance and efficiency.

#### Energy Efficient

The DG-GS1024D is designed with a truly intelligent power saving functionality. It complies with the IEEE 802.3az Energy Efficient Ethernet protocol. The switch conserves energy using the following two methods:

##### Inactive link detection:

The power usage adjustment feature automatically reduces power usage when any shut down network device or inactive link is detected. That is, power consumption of the switch can be adjusted according to the link status or the number of active network devices when possible.

##### Cable length detection:

The devices equipped with this green feature can automatically detect the length of connected Ethernet cables and adjust power usage accordingly. The shorter the cable length, the less power it consumes.

#### Supports High-Speed Networking and Jumbo Frames

The DG-GS1024D is an excellent solution to expand your Gigabit network. With Gigabit speed, the DG-GS1024D gives flexibility and high bandwidth connectivity to servers, workstations and other network devices. It enables users to save time when transferring large files. In addition, it also supports Jumbo Frames to improve network utilization in large files transfer.

#### Fan-less Design

The fan-less design ensures noiseless operation in small office environment, the DG-GS1024D is a perfect solution for small business and SOHO office deployments.

#### Plug and Play Installation

The DG-GS1024D operates without any configuration. The built-in auto-negotiation feature of the switch will adapt its speed (10/100/1000Mbps) as per the remote host connected to its port. Each port supports auto MDI/MDI-X operation for uplink ports which eliminates the need for cross over cables or dedicated uplink ports. This feature gives true plug-n-play operation by reducing most common cabling errors during installations. Any port can simply plug to a server or a switch, using the usual straight-through twisted-pair cable.



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### Technical Specifications:-

	<b>DG-GS1024D</b>
Physical Ports	24 x Gigabit Ethernet Ports, RJ-45
Standards	IEEE802.3 10BASE-T IEEE802.3u 100BASE-TX Fast Ethernet IEEE802.3ab 1000BASE-T
Features	4.1Mbit packet buffer 8K MAC address table Jumbo frame up to 9K Bytes Green Ethernet IEEE802.3az
LED Define	Power: Green LED - off: power off or fail - on: power on copper port LED: per port 1 LED Link/Activity: - off: port disconnected or link fail - Green on: 10M/100M/1000Mbps connected - blinking: sending or receiving data
Power Input	12V/1.5A Power Adapter, Support Power on/off Switch function
Dimension	Plastic 238(W) x 40(H) x 130(D) mm
Fan Design	Fan-Less
Temperature	Operating: 0°C ~ 40°C Storage: -40°C ~ 70°C
Humidity	10% ~ 90% RH (non-condensing)



### Ordering Information:-

#### DG-GS1024D: DIGISOL 24 Port 10/100/1000Mbps Gigabit Ethernet Unmanaged Desktop Switch

\*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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Power Connector

LAN Ports

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