SWITCHING SOLUTIONS

DIGISOL 16 Port Gigabit Ethernet Unmanaged Switch

DG-GS1016/E (H/W Ver. A2)

Key Features:-

- Conforms to IEEE 802.3 Ethernet, IEEE 802.3u Fast Ethernet standard
- IEEE 802.3ab 1000Base-T Gigabit Ethernet standard
- 16 10/100/1000Mbps UTP/STP RJ45 ports (Supports MDI/MDIX)
- Store and forward architecture
- Flow control: IEEE 802.3x full-duplex flow control, half-duplex Back pressure flow control
- Supports maximum 8K MAC Address table
- Supports N-Way auto-negotiation
- Each port supports address learning, allow configuring MAC address aging time
- Plug and Play installation
- Switching Capacity: 32Gbps Backplane

Introduction:-

DIGISOL DG-GS1016/E (H/W Ver. A2) is a 10/100/1000 Mbps Ethernet rack-mountable unmanaged switch designed to enhance network performance. The switch comes with 16 x 10/100/1000 Mbps 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 environment.

16 x 10/100/1000 Mbps RJ-45 Nway ports

The DG-GS1016/E (H/W Ver. A2) switch offers 16 x 10/100/ 1000 Mbps Ethernet ports which gives small workgroups a flexibility to integrate Ethernet, Fast Ethernet and Gigabit Ethernet in a single network. This Switch also allows for auto-sensing and auto-negotiation of highest available speed (10/100/1000 Mbps) and duplex mode, providing an automatic and flexible solution for the network. These intelligent ports detect the network speed and auto-negotiate between 1000BASE-T, 100BASE-TX and 10BASE-T, as well as between full and half-duplex.

Plug and Play installation

The DG-GS1016/E (H/W Ver. A2) switch operates without any configuration. The built-in auto-negotiation feature of the switch will adapt its speed (10/100/1000 Mbps) 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.

High-Performance

With its backplane capacity of 32 Gbps, data transfer is at an average of 2000 Mbps per port at full-duplex mode allowing every node to perform at their maximum performance.

DIGISOL

SWITCHING SOLUTIONS

Technical Specifications:-

Standard Compliance
- IEEE 802.3 10BASE-T Ethernet
- IEEE 802.3u 100BASE-TX Fast Ethernet
- IEEE 802.3ab 1000BASE-T Gigabit Ethernet
- IEEE/ANSI 802.3 Nway Auto-negotiation
- IEEE 802.3x Full-duplex Flow Control
- IEEE 802.1p QoS Compliant

Ports
- 16 10/100M/1000M Auto-Negotiation RJ45 Ports (Auto MDI/MDIX)

Protocol
- CSMA/CD

Network Cables
- 10BASE-T: UTP Cat. 3, 5 (100 m)
- 100BASE-TX: UTP Cat. 5, 5e (100 m)
- 1000BASE-T: UTP Cat. 5, 5e, 6 (100 m)

LED Indicators
- Power, Link/Act, 1000Mbps

Data Transfer Rates
- Ethernet: 10 Mbps (Half-duplex), 20 Mbps (Full Duplex)
- Fast Ethernet: 100 Mbps (Half-duplex), 200 Mbps (Full Duplex)
- Gigabit Ethernet: 2000 Mbps (Full-duplex)

Performance Specifications
- Forwarding mode: Store-and-forward
- Bandwidth: 32Gbps
- MAC Address database: 8K

Frame Filtering and Forward Rate
- 10Mbps: 14880pps
- 100Mbps: 148800pps
- 1000Mbps: 1488000pps

Power Supply Input
- 100-240V~ , 50/60Hz

Environmental Specifications
- Operating temperature: 0°C~40°C (32F~104F)
- Storage temperature: -40°C~70°C (-40F~158F)
- Operating humidity: 10 %~90 % (non-condensing)
- Storage humidity: 5%~95% (non-condensing)

Warranty
- DIGICARE Limited Lifetime Warranty

Ordering Information:-

DG-GS1016/E (H/W Ver. A2): DIGISOL 16 Port 10/100/1000 Mbps Gigabit Ethernet Unmanaged Switch

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

DIGISOL Logos are trademarks and/or registered trademarks of DIGISOL SYSTEMS LIMITED. Other trademarks, product, service and company names mentioned are the property of their respective owners. Information is subject to change without notice. The actual product appearance may differ from the one shown here.© 2018 DIGISOL SYSTEMS LIMITED. All rights reserved.

Power Connector

DIGISOL is a Subsidiary of Smartlink Holdings Limited

DIGISOL SYSTEMS LIMITED
215 Atrium Bldg., 2nd Floor, B-Wing, Opp. Big Cinema, Courtyard Marriott Compound, Andheri-Kurla Road, Andheri (E), Mumbai - 400093.

1800-209-3444
www.digisol.com
helpdesk@digisol.com

@DIGISOLINDIA