DIGISOL®

SWITCHING SOLUTIONS

1st INDIAN BRAND IN IT NETWORKING

# DIGISOL 16 Port Gigabit L2 PoE Switch

## DG-GS3220HP/C

2 YEARS WARRANTY*

### Key Features:-

- Complies with IEEE802.3af/at Standard
- Support RJ45 Auto-MDI/MDIX
- Auto detect PD
- Remote power and Data feeding up to 100m
- Flow Control (802.3x)
- Support Energy-Efficient Ethernet (IEEE802.3az)
- Supports 802.1Q tag VLAN
- Supports Port Mirroring
- Supports STP/RSTP/MSTP
- Link Aggregation Control Protocol
- Web, CLI (Console Port, Telnet, SSH), SNMP and RMON
- Support PD Alive function

### Introduction:-

**DIGISOL** DG-GS3220HP/C provides 16 x 10/100/1000Mbps RJ45 ports, 2G Combo ports and 2G SFP ports that supports 802.3af/at Standard , with a total PoE power rating up to 250W, powerful and flexible enough for users to deploy wireless access points or IP-based network surveillance cameras. The switch also comes equipped with 2 SFP slots, expanding your network flexibly. In addition, it provides high performance, QoS, advanced security strategies and rich layer 2 management features. With all these advanced features, the PoE Switch is an ideal choice for small and medium business networking.

### Technical Specifications:-

**Hardware Specifications:-**

| Model | DG-GS3220HP/C |
|---|---|
| Standard | IEEE 802.3, IEEE 802.3u, IEEE 802.3ab , IEEE 802.3z, IEEE 802.3x, IEEE 802.1X, IEEE 802.1q, |
| | IEEE 802.1p, IEEE 802.1d, IEEE 802.1w, IEEE 802.3ad, IEEE802.3af, IEEE802.3at |
| Interface | 16 x 10/100/1000Mbps RJ45 Port (Auto Negotiation/Auto MDI/MDIX) |
| | 2 x 10/100/1000Mbps Combo ports |
| | 2 x 100/1000Mbps SFP Slots |
| | 1 Console Port |
| Indicator | PWR, LNK/ACT, PoE, SYS |
| Network media | 10BASE-T: UTP category 3, 4, 5 cable (≤100m) |
| | 100BASE-TX: UTP category 5, 5e cable (≤100m) |
| | 1000BASE-T: UTP category 5e, 5 cable (≤100m) |
| | 100BASE-FX:MMF, SMF |
| | 1000BASE-X: MMF, SMF |
| MAC Address Table | 8K, Auto-learning, Auto-aging |
| jumbo frame | 9216Bytes |
| Packet buffer | 4.1M |
| Transfer Mode | Store-and-forward |
| Packet Forward Speed | 29.76Mpps |

**Hardware Specifications:-**

| Model | DG-GS3220HP/C |
|---|---|
| Switching Capacity | 40Gbps |
| Dimensions (L x W x H) | 440 x 207 x 44mm |
| Fan Quantity | 2 |
| PoE Port | Port1~16 |
| PoE Power on RJ45 | Mode A 1/2(-), 3/6(+) |
| PoE Power Output | Voltage: 55V DC Power: 30W (MAX) |
| PoE Power Budget | 250W |
| Power supply | 280W |
| Input Power Supply | 100~240V AC, 50/60Hz |
| Operating Temperature | 0°C ~ 40 °C |
| Storage Temperature | -40 °C ~ 70 °C |
| Operating Humidity | 10% ~ 90% non-condensing |
| Storage Humidity | 5% ~ 90% non-condensing |
| Surge Protection | Common mode ±6KV Differential mode ±4KV |
| MTBF | >50000 hour |
| Electrostatic standard | Contact 6KV, Air 8KV |
| Green energy saving | Support IEEE 802.3az |

**Software Specifications:-**

| Model | DG-GS3220HP/C |
|---|---|
| Spanning Tree | IEEE 802.1D -Spanning Tree |
| | IEEE 802.1w -Rapid Spanning Tree |
| | IEEE 802.1s -Multiple Spanning Tree |
| | BPDU Guard |
| | STP Root Guard |
| | Loop Detection |
| VLAN | Management VLAN |
| | Private VLAN |
| | Voice VLAN |
| | Surveillance-VLAN |
| | Q-in-Q (Double Tag) |
| | 802.1v Protocol VLAN |
| | MAC-Based VLAN |
| Port | IEEE 802.3ad witch LACP (Dynamic), Supports 8 ports per group and 8 groups |
| | Static Trunk |
| | EEE |
| | Jumbo Frame |
| | Error-Disable |
| IGMP Snooping | IGMP Snooping v1/v2/v3. Supports 1024 multicast groups |
| | MLD Snooping v1/v2 |
| | MVR |

**Software Specifications:-**

| Model | DG-GS3220HP/C | |
|---|---|---|
| QoS Features | Hardware Queues | |
| | Class Of Service | Port Based |
| | | 802.1p |
| | | CoS |
| | | DSCP |
| | | IP Precedence |
| | | TCP/UDP (IPv4/IPv6) |
| | Rate Limiting | Ingress |
| | | Egress |
| | Priority Queue Scheduling | WRR |
| | | Strict Priority |
| | | DSCP & CS |
| | IPv4 QoS (QCEs) | |
| | IPv6 QoS (QCEs) | |
| Security | Port Security | |
| | Port Isolation | |
| | MAC Filtering | |
| | IEEE802.1x AAA | |
| | ACLs | L2+/L3/L4 |
| | | IPv6 Support |
| | | Management Access List |
| | Management ACL/Management ACE | |
| | IP Source Guard (IP-MAC-Port-VALN Binding) | |
| | IP Source Guard (IP-MAC-Port Binding) | |
| | Dynamic ARP Inspection | |
| | Storm Control | |
| | RADIUS/TACACS+ | |
| | RADIUS Authentication (RFC2138) | |
| | DDoS Prevention | |
| | HTTPs and SSL (Secured Web) | |
| | SSH v1.5/v2.0 (Secured Telnet Session) | |
| | DHCP Snooping | |
| | DHCP Relay | |
| Management | SNMP (v1, v2c, v3) | |
| | RMON ( 1, 2, 3 & 9 groups) | |
| | Software Upgrade | |
| | Configuration Export/Import | |
| | DHCP | Client |
| | | Option 82 |
| | | Option 66 |
| | | Option 67 |
| | Event/Error Log | Syslog |
| | Management Access Filtering | Console, SNMP |
| | | HTTP/HTTPS, Telnet |

**Software Specifications:-**

| Model | DG-GS3220HP/C |
|---|---|
| | Port Mirroring |
| | LLDP (IEEE802.1AB) |
| | LLDP-MED |
| | UDLD |
| | DNS Client |
| | Traceroute |
| | Ping |
| | Cable Test |
| | DDMI |
| | NTP/ SNTP (RFC2030) |
| IPv4/IPv6 Support | Dual IPv6/IPv4 stack |
| | Web/SSL |
| | SNTP (Simple Network Time Protocol) |
| | Telnet / SSH |
| | Ping/Traceroute |
| | TFTP |
| | RADIUS/TACACS+ |
| | SNMP |
| PoE Management | Port Config |
| | Alive Checking for PD |
| | PoE Delay |
| | PoE Schedule |
| ONVIF | ONVIF Deteciton |
| | ONVIF Server (NLM) |

## Ordering Information:-

**DG-GS3220HP/C:** DIGISOL 16-Port Gigabit L2 managed PoE switch with 2 x 1G Combo+2x 1G SFP, PoE: 250W

*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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