

DIGISOL 48 Port Gigabit PoE L2 Managed Switch

DG-GS3252HP



Key Features:-

- Complies with IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z, IEEE802.3x, IEEE802.3af, IEEE802.3at standards
- RJ45 Supports automatic port flip (Auto MDI/MDIX)
- PoE supports IEEE 802.3at/af standards
- Data and power transmission distance upto 100 meters
- Supports IEEE802.3x full-duplex flow control
- Supports STP/MSTP/RSTP
- Support static convergence and dynamic convergence (LACP)
- Supports various management modes, such as Console, Telnet and SSH
- Supports WEB management



Introduction:-

DIGISOL DG-GS3252HP is a fully Gigabit 3-layer Managed PoE Switch. It provides 48 x 10/100/1000Mbps RJ45 ports, 4 x 1000Mbps SFP optical module expansion slots, and one Console port. All RJ45 ports from 1-48 support PoE power supply for each port up to 30W, and also static routing function. It provides high security features, complete QoS policies, and abundant VLAN functions, while is quite easy enough to be managed and maintained, perfectly meeting the network requirements for small office and business solutions.

Support static convergence and dynamic convergence (LACP) 2 convergence modes, effectively increase the link bandwidth, improve the reliability of the link, and at the same time can achieve load balancing, link backup;

Technical Specifications:-

Hardware Specifications:-

Model	DG-GS3252HP
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	48 x 10/100/1000Mbps RJ45 Port
	4 x 1000Mbps SFP Slots
	1 Console Port
Indicator	PWR, LNK/ACT, PoE,
Network media	10BASE-T: Cat 3, 4, 5 unshielded twisted pair cables (≤100m)
	100BASE-TX: Cat 5 and over, unshielded twisted pair cable (≤100)
	1000BASE-T: Cat 5 and over, unshielded twisted pair cable (≤100m)
	100BASE-FX:MMF, SMF
	1000BASE-X: MMF, SMF
MAC Address Table	16K, Auto-learning, Auto-aging
Jumbo frame	12KBytes
Packet buffer	12Mbit
Transfer Mode	Store-and-forward
Packet Forward Speed	77.38Mpps
Switching Capacity	104Gbps

Hardware Specifications:-

Model	DG-GS3252HP
Dimensions (L x W x H)	440 x 330 x 44mm
Fan Quantity	4 Pcs
PoE Port	Port1~48
PoE Power on RJ45	Mode A 1/2(+), 3/6(-)
PoE Power Output	Voltage: 55V DC Power: 30W (MAX)
PoE Power Budget	600/220W
Power supply	800W
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 ±2KV Differential mode ±1KV
MTBF	>50000 hour
Electrostatic standard	Contact ±6KV, Air ±8KV

Software Specifications:-

Model	DG-GS3252HP	
L2 Features	MAC Address Table	MAC Address Size
		MAC Aging Time
		MAC Filter
		MAC Notification
	Basic Management	Console/Telnet/SSH
		Http/Https、SSL/TLS
		FTP/TFTP
		Syslog
		SNMP(v1/v2c/v3)、SNMP Trap
		SNTP/NTP
		CPU protect
		Software/Hardware watchdog
		Firmware Upgrade/Backup
		Ping/Traceroute
	Port Config	Bandwidth Control
		Flow Control
		EEE
		MTU
		CFM (802.1ag)
		EFM OAM (802.3ah)
		DDM
		Storm Control
		Port Isolation
		Port Security
		Virtual Cable Test
		ULDP/Cisco UDLD

Software Specifications:-

Model	DG-GS3252HP	
	Discovery	LLDP (802.1ab)
		LLDP-MED
	Link Aggregation	Static
		LACP (802.3ad) Supports 8 ports per group and 8 groups
		Load Balance (src-mac/dst-mac/src-ip/dst-ip)
		Max groups and ports per group
	VLAN	VLAN (802.1Q 4K)
		Access/Trunk/Hybrid
		Private VLAN
		VLAN Filter
		MAC-based VLAN
		Protocol-based VLAN
		IP Subnet-based VLAN
		Voice VLAN
		GVRP/GMRP
		QinQ/Selective-QinQ/Flexible QinQ
		VLAN Translation/N:1 VLAN Translation
		Guest VLAN
	Network Loop Detection	Loopback Detection
		ERPS
	Spanning Tree	STP/RSTP/MSTP
		MSTP Support 64 instance
		BPDU Guard/Root Guard/BPDU Tunnel
	ARP	Static ARP
		ARP Scanning Prevention
		ARP Spoofing Prevention
		ARP Guard
		Gratuitous ARP
		Dynamic ARP Inspection
		ARP Quantity Control
IPv4 Related Function	ICMP	Anti ICMP Attack
		ICMP Rate Limit
		ICMP Unreachable Drop
	IP Forward	Static Route
		Route Aggregation
	Control Multicast	DCSCM
	Multicast VALN	Multicast VALN
	IGMP	IGMP SNOOPING V1/V2/V3. Upto 1K multicast groups
		Fast Leave
		IGMP Proxy
	DHCP	DHCP Server
		DHCP Client/BOOTP/DNS Client
		DHCP Relay, DHCP Snooping
		DHCP Option 82/43/60/61/67

Software Specifications:-

Model	DG-GS3252HP	
IPv6 Related Function	IPv6 Basic	IPv6 ND Snooping
	DHCPv6	DHCPv6 Server
		DHCPv6 Relay
		DHCPv6 Snooping
		IPv6 SAVI
		Security RA
	IPv6 Unicast Routing	Static Route
	IPv6 Multicast Routing	MLD v1/V2 Snooping
	IPv6 Features	SNMP over IPv6 Support
		HTTP over IPv6 Support
		SSH over IPv6 Support
		DNS over IPv6 Support
		IPv6 ping/traceroute Support
		IPv6 Telnet Support
		IPv6 Radius+ Support
		IPv6 Tacacs+ Support
		IPv6 SNTP/NTP Support
		IPv6 FTP/TFTP Support
		IPv6 IPSec Support
		IPv6 ACL
QoS (Quality Of Service)	Basic	Trust COS/DSCP
		Trust Port
	Scheduling	SP
		WRR
		WDRR
	Policy Map Stream	Based on VLAN
		Based on COS/DSCP
		Aggregate Policy Map
		Ingress Policy Map
	Policing	CAR Stream Shaping (leak algorithm)
		Ingress Policing
	Rewrite	COS/802.1p Priority
		IP Precedence
		IPv4 DSCP/IPv6 DSCP
		drop-precedence
		internal-priority
		Ingress/Egress Rewrite
	Queueing	DSCP to DSCP mapping
		DSCP to DP mapping
		DSCP to Queue mapping
		COS to DP mapping
		COS to Queue mapping

Software Specifications:-

Model	DG-GS3252HP	
ACL	IP-ACL	SIP/DIP
		IP Protocol
		IP Priority (DSCP, TOS, Precedence)
		TCP, UDP SRC, DST Port
	MAC-ACL	SRC/DST MAC
		VLAN
		COS
		Tag/Untag
	IP-MAC ACL	MAC-ACL and IP-ACL
	User-defined ACL	Based on user-defined profile
	ACL Features	Based on time period ACL
		ACL on VLAN
		Based on ACL Stream
Security	802.1x	Port Based Authentication
		Support EAPoR
		MAC based Authentication
		Guest VLAN
	MAB	Based on Port Authentication
		Based on MAC Authentication
	MAC Address Count Limit	Based on Port
		Based on VLAN
	IP Address Count Limit	Based on Port
		Based on VLAN
	Access Management	Based on source mac and IP address
	Deny DoS Attack	TCP Flag
		TCP Fragment
		IP Segment
		ICMP
	TACACS+	Standard Support
	Radius	Standard Support
		Client, Support MD5
	SSL	Openssl 1.1.0
Redundancy Related Function	MRPP	Compatible ERRP
	ULPP	Uplink Protection Protocol
		Smart Link/Monitor Link
	ULSM	Uplink State Monitor
Flow Monitor Function	Mirror	Support One-to-one, Multi to one
		Port based mirror, Support ingress, Egress and both
		CPU based mirror
		Flow based mirror
		RSPAN

Software Specifications:-

Model	DG-GS3252HP	
PoE	PoE Management	ON/OFF Config
		Alive Checking for PD
		7/24 On/Off Scheduling

Ordering Information:-

DG-GS3252HP: DIGISOL 48-Port Gigabit L2 managed PoE switch with 4 x 1G SFP Ports, PoE: 600W

*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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Rear View :

