

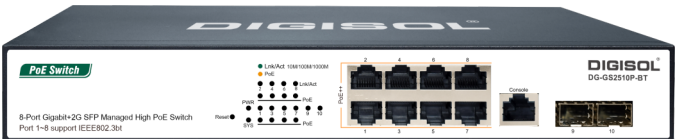
DIGISOL 8 Port Gigabit PoE Switch with 2 SFP Uplinks

DG-GS2510P-BT



Key Features:-

- 8 10M/100M/1000Mbps BaseT ports + 2 1000M SFP slots
- Auto MDI/MDIX
- IEEE802.3af/at/bt PoE Standards
- Maximum output 90W per port, Total PoE power: 185W
- Data transmission up to 100 meters
- Flow control
- STP/MSTP/RSTP
- Static and dynamic convergence (LACP)
- Management through console, Telnet, SSH and webGUI
- Support PD-ALIVE function



Introduction:-

DIGISOL DG-GS2510P-BT is an L2 managed PoE switch with 8 10M/100M/1000Mbps PoE ports and 2 1000Mbps SFP slots. The switch supports maximum PoE power supply of 185W. It can be used as an Ethernet power supply device. DG-GS2510P-BT can automatically detect and identify the PD device and supply power to them through network cables. It provides rich layer 2 management functions, excellent performance and friendly management interface, which can fully meet the needs of users. Easy management and maintenance can be widely used in weak current construction and transformation scenarios to meet the requirements of high-power terminal power supply in monitoring, access control, information release, parking lot and other systems.

Technical Specifications:-

Hardware Specifications:-

Model	DG-GS2510P-BT
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, IEEE 802.3af, IEEE 802.3at, IEEE 802.3bt
Interface	8*10/100/1000Mbps RJ45 Ports with 802.3af/at/bt PoE Support 2*1000Mbps SFP slots, 1 *Console port
Network Media	10BASE-T: UTP category 3, 4, 5 cable (≤100m) 100BASE-T: UTP category 5, 5e cable (≤100m) 1000BASE-TX: UTP category 5e, 6 cable (≤100m) 1000BASE-X: MMF, SMF
Indicator	PWR(Green), LNK/ACT (Green), PoE (Orange), SYS (Green)
MAC Address Table	8K, Auto-learning, Auto-aging
Jumbo frame	10K Bytes
Transfer Mode	Store-and-forward
Packet Forward Speed	14.88Mpps
Packet buffer	4.1Mbit
Switching Capacity	20Gbps
PoE Ports	Port 1 ~ 8
PoE Power on RJ45	A1/2 (+), 3/6 (-), 4/5 (-), 7/8 (+)
PoE Power Output Per Port	90W (Max)
PoE Power Budget	185W
Power Supply	200W
Input Power Supply	AC 100-240V, 50/60Hz

Hardware Specifications:-

Model	DG-GS2510P-BT
Dimensions (L x W x H)	280 x 180 x 44mm, Black
Fan Quantity	1pcs
Operating Temperature	Operating: 0°C ~ +40°C, Storage: -40°C ~ +70°C
Operating/Storage Humidity	Operating: 10% ~ 90% non-condensing, Storage: 5% ~ 90% non-condensing
Surge Rating	Power Supply: Differential mode ±4KV Common mode ±6KV
	Network Port: Differential mode ±2KV Common mode ±4KV
MTBF	>100000 hour
Electrostatic standard	Contact ±6KV, Air ±8KV

Software Specifications:-

Model	DG-GS2510P-BT	
L2 Features	DHCP Server	DHCP Server
		DHCPv6 Server
	Route	Static Route (IPV4/IPV6)
		Route Aggregation
	MAC Address Table	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
	Discovery	LLDP (802.1ab)
		LLDP-MED

Software Specifications:-

Model	DG-GS2510P-BT	
	Link Aggregation	Static
		LACP (802.3ad)
		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
		BPDUGuard/Root Guard/BPDUTunnel
	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
	Control Multicast	DCSCM
	Multicast VALN	Multicast VALN
	IGMP	IGMP SNOOPING V1/V2/V3
		Fast Leave
		IGMP Proxy
	DHCP	DHCP Server
		DHCP Client/BOOTP
		DHCP Relay
		DHCP Snooping
		DHCP Option 82/43/60/61/67
IPv6 Related Function	IPv6 Basic	IPv6 ND Snooping
	DHCPv6	DHCPv6 Relay, DHCPv6 Snooping, IPv6 SAVI, Security RA

Software Specifications:-

Model	DG-GS2510P-BT	
	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 SNT/NT/TP 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
	Queuing	DSCP to DSCP mapping
		DSCP to DP mapping
		DSCP to Queue mapping
		COS to DP mapping, COS to Queue mapping
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

Software Specifications:-

Model	DG-GS2510P-BT	
Security	802.1x	Port Based Authentication
		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, IP Segment, ICMP
	TACACS+	Standard Support
	Radius	Standard Support
		Client, Support MD5
	SSL	Openssl 1.1.0
Redundancy Related Function	MRPP	Compatiable ERRP
	ULPP	Uplink Protection Protocol
		Smart Link/Monitor Link
	ULSM	Uplink State Monitor
Mirror	Mirror	Support One-to-one, Multi to one
		Port based mirror, Support ingress, Egress and both
		CPU based mirror, Flow based mirror, RSPAN
PoE	PoE Management	ON/OFF Config
		Alive Checking for PD
		7/24 On/Off Scheduling

Ordering Information:-

DG-GS2510P-BT: DIGISOL L2 Managed Gigabit HighPoE switch with 8 *10/100/1000M PoE++ ports and 2* 1000M SFP ports. Max PoE power: 185W

*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.© 2025 DIGISOL SYSTEMS LIMITED. All rights reserved.

Rear View :

