

DIGISOL 24 Port L2+ PoE Managed Switch
with 4*10G SFP+ Uplinks

DG-GS2528HPX/U

Key Features:-

- 24x10/100/1000Mbps downlink ports
- 4x10G SFP+ uplinks
- 802.3af (15W) / 802.3at (30W)/ 802.3bt (60W)
- Supports flow control, LACP
- Energy-Efficient (IEEE802.3az)
- STP/MSTP/RSTP
- PD-ALIVE feature
- Switching capacity: 128Gbps
- MTBF: >100000 hour



Introduction:-

DIGISOL DG-GS2528HPX/U is an L2+ Managed High PoE Switch with 24*10/100/1000Mbps RJ45 Port and 4*10Gbps SFP+ slots. The downlink ports 1 to 24 support the PoE standards IEEE 802.3af/at standards function with ports 1-8 also supporting IEEE 802.3bt. The maximum PoE budget supported on the switch is 480W. The switch is capable enough to automatically detect and identify PoE compliant electrical devices and supply power to them through network cables. Store-and-forward technology combined with dynamic memory allocation ensures efficient bandwidth allocation to each port. Supports static routing, provides complete security policies, QoS policies, and diversified VLAN functions, and is easy to manage and maintain, meeting the networking and access requirements of enterprises, communities, hotels, office networks, and campus networks.

Technical Specifications:-

Hardware Specifications:-

Model	DG-GS2528HPX/U
Standard	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z, IEEE802.3x, IEEE802.1q,
	IEEE802.1p, IEEE802.1x, IEEE802.1d, IEEE802.1w, IEEE802.3ad,
	IEEE802.3af, IEEE802.3at, IEEE802.3bt
Interface	24*10/100/1000Mbps RJ45 Ports
	4*10Gbps SFP+ Slots
	1*Console
Indicator	PWR , LNK/ACT, PoE, SYS
MAC Address Table	16K, Auto-learning, Auto-update
Jumbo Frame	12K Bytes
Transfer Mode	Store-and-forward
Packet Forward Speed	160.7Mpps
Packet Buffer	12Mbit
Switching Capacity	128Gbps
Dimensions (L x W x H)	441.5 x 207 x 44.4mm

Hardware Specifications:-

Model	DG-GS2528HPX/U
Fan Quantity	2
Green Energy Saving	IEEE 802.3.az
Power PoE Budget	480W
Power Supply	500W
Input Power Supply	Port 1-8 60W (Max), Port 9-24 30W (Max)
PoE Power Supply Wire Pairs	Ports 1-8 support four wire pairs for powering
	1/2 (-) and 3/6 (+), 4/5 (+) and 7/8 (-)
	Ports 9-24 support two wire pairs:
	1/2 (-) and 3/6 (+), 4/5 (+) and 7/8 (-)
	1/2 (-) and 3/6 (+) 1/2 (-) and 3/6 (+)
Operating Temperature	0°C ~ 50°C
Storage Temperature	-40°C ~ 70°C
Operating Humidity	10% ~ 90% non-condensing
Storage Humidity	5% ~ 90% non-condensing
Surge Protection	Differential mode ±2KV, Common mode ±4KV
Electrostatic standard	Contact ±6KV, Air ±8KV
MTBF	>10000 hours

Software Specifications:-

Model	DG-GS2528HPX/U	
L3 Features	DHCP Server	DHCP Server
		DHCPv6 Server
	Route	Static Route (IPV4/IPV6)
		Route Aggregation
	RIP	RIP v1/v2/RIPng
	OSPF	OSPF v2/v3
	BGP	BGP4/BGP6
	VRRP	IPv4/IPv6 VRRP
	PIM	IPv4/IPv6 PIM
L2 Features	Stacking	Stacking VSF
		MAC Address Table
		MAC Aging Time
	Basic Management	MAC Filter
		MAC Notification
		Console/Telnet/SSH
		Http/Https, SSL/TLS, FTP/TFTP
		Syslog
		SNMP(v1/v2c/v3), SNMP Trap
		RMON
		SNTP/NTP

Software Specifications:-

Model	DG-GS2528HPX/U	
		CPU protect
		Software/Hardware watchdog
		Firmware Upgrade/Backup
		Ping/Traceroute
		Onvif
		ZTP
	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
	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
		BPDU Guard/Root Guard/BPDU Tunnel

Software Specifications:-

Model	DG-GS2528HPX/U	
	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 VLAN	Multicast VALN
	IGMP	IGMP SNOOPING V1/V2/V3
		Fast Leave
		IGMP Proxy
	DHCP	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
	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
	Basic	Trust COS/DSCP
		Trust Port
QoS (Quality Of Service)	Scheduling	SP
		WRR
		WDRR

Software Specifications:-

Model	DG-GS2528HPX/U	
	PolicyMap Stream	Based on VLAN
		Based on COS/DSCP
		Aggregate PolicyMap
		Ingress PolicyMap
	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	Base 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

Software Specifications:-

Model	DG-GS2528HPX/U	
	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
PoE	PoE Management	ON/OFF Config
		Alive Checking for PD
		7/24 On/Off Scheduling

Ordering Information:-

DG-GS2528HPX/U : DIGISOL 24-Port L2+ Managed Switch with 8x10/100/1000Mbps PoE++ ports, 16x10/100/1000Mbps PoE/PoE+ ports and 4*10G SFP+ uplink. PoE power: 480W

Rear View :



*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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