DIGISOL 12 Port 10G SFP+ L2 Switch

DG-GS1512FX

Key Features:-

- 12*10G SFP+ ports
- Web UI for configuration
- Console port with CLI command
- HW monitor Alarm
- 16MB packet-buffer size
- 32K MAC address table

Introduction:-

DIGISOL DG-GS1512FX is a Semi Managed switching product. It is an intelligent network manageable switch designed for network environments that requires high performance, high port density and easy for installation. It provides 12 nos of 10 Gigabit SFP+ slots. It supports VLAN management, Mirroring and Port Trunking.

Performance and Scalability

It's a great switch in L2 Semi-managed category with 240 Gbps switching capacity with all 12 10G ports. Wire-speed switching performance helps to take full advantage of existing high performance on PCs and laptops by significantly improving the responsiveness of applications and file transfer times. The switch has all 12 10G SFP+ port for high-speed uplinks to servers or backbones.

Continuous Availability

IEEE 802.1w Rapid Spanning Tree Protocol provides a loop-free network and redundant links to the core network with rapid convergence, to ensure faster recovery from failed links, enhancing overall network stability and reliability. IEEE802.3ad Link Aggregation Control Protocol (LACP) increases bandwidth by automatically aggregating several physical links together as a logical trunk and providing load balancing and fault tolerance for uplink connections.

Comprehensive QoS

Traffic is prioritized according to 802.1p giving optimal performance to real time applications such as voice and video.

Enhanced Security

Port Security ensures access to switch ports based on MAC address. Thus, limiting the total number of devices from using a switch port and protects against MAC flooding attacks.

Simplified Management

User friendly web interface facilitates ease of management. It also supports to be managed and controlled by network station.

DIGISOL 12 Port 10G SFP+ L2 Switch

Technical Specifications:-

Item	DG-GS1512FX
RAM	1. Flash IC: MXIC 32M Byte
	2. DDR: 4GB
I/O ports	12 x 10G SFP+ ports
	Reset Button: reset to default setting, re-start system
	1xRJ-45 Console port
LEDs	• PWR: Green LED
	- Off: power off or fail
	- On: power on
	• SYS: Green LED
	- Off: power off or fail
	- On: system is ready
	- Blinking: system booting up
	• Alert: Red LED
	- Off: Normal condition
	- On: Alarm for system failure because of overheat, wrong voltage.
	• 1-12 Port LED: (SFP+)
	Link/ACT:
	- Off: port disconnected or link fail
	- Blue: 10Gbps connected
	- Green: 1000Mbps connected
	- Blinking: sending or receiving data
HW feature	IEEE802.3ae SFF-8431
	IEEE802.3ah 10GBase-T
	MAC address Table: 32K
	Packet buffer size: 16Mbit
	Jumbo Frame: 12K bytes
System Monitor	Hardware Monitor IC: ADT7463
	• Voltage Monitor
	- Input Voltage: 12V (+/-7% Alarm Threshold)
	- I/O Voltage: 3.3V (+/- 5% Alarm Threshold)
	- DDR Voltage: 1.5V (+/- 5% Alarm Threshold)
	• MAC Voltage: 0.9V (+/- 5% Alarm Threshold)
	- Temperature Monitor
	- BOARD: 0~80 C
	- MAC: 0~85 C
Power Input	Internal power supply
	Input: 90~264VAC/47~63Hz
	Output: 12V/6A

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Item	DG-GS1512FX
Reset button	Reset the switch to default configuration
12V DC-IN	Reserved 12V DC connector on front panel
Dimension	441(W) x 196(D) x 44(H) mm
FAN Design	1 Fan
Temperature	Operating: 0 ~ 40°C
	Storage: -40 ~ 70°C
Humidity	Operating: 10% ~ 90% RH (non-condensing)
	Storage: 5% ~ 90% RH (non-condensing)
Software specification	
Port Information	Statistics
	Error disabled
	Bandwidth utilization
	Link Aggregation
Network	Static IP address
	Dynamic IP address
	System Time
	SNTP / Manual
MAC Table	32K
	Static MAC
	Dynamic MAC
Port Configuration	Speed duplex, flow control, port state configuration
	Loopback detection, self loop
	ACL, ARP rate limit
	BPDI guard
	Broadcast flood
	Unicast flood
	Unknown Multicast flood
	Link Aggregation – Group, LACP
	Jumbo frame (12KB)
VLAN configuration	802.1q vlan
	Voice VLAN (voice OUI)
	Protocol VLAN
	MAC VLAN
	Surveillance VLAN
	GVRP

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Item	DG-GS1512FX
Spanning Tree	STP
	RSTP
	MSTP
	Path Cost
	BPDU Handling
	MST Instance
	MST port config
LLDP	Property, MED Network Policy
	Neighbor discovery
	Statistics
Multicast	IGMP Snooping
	IGMP Querier
	Unicast Multicast action
	Multicast Forward method
	MVR
Security	RADIUS / TACACS+
	AAA authentication
	Port Security
	Traffic Segmentation
	Storm control
	Dynamic ARP Inspection
	DHCP Snooping (Option82)
	IP Source Guard
ACL	MAC ACL
	IPv4 ACL
	IPv6 ACL
	ACL Binding
Management Access	Management VLAN
	Management Service (Telnet / SSH / HTTP / HTTPS / SNMP / Session Timeout)
	Management ACL
	Management ACE
QoS	CoS / DSCP / CoS-DSCP / IP Precedence
	Queue Scheduling, Strict Priority / WRR
	Ingress / Egress rate limit

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Technical Specifications:-

tem	DG-GS1512FX
Diagnostics	Remote Server Logging
	Mirroring
	Ping
	Traceroute
	UDLD property, neighbor
	Fiber module
RMON	Statistics
	History
	Event
	Alarm

Ordering Information:-

DG-GS1512FX: DIGISOL L2 Managed Switch with 12 10G SFP+ Ports

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