DIGISOL®

SWITCHING SOLUTIONS

INDIA'S OWN IT NETWORKING CHOICE

DIGISOL 10GE L3 Ethernet Switch

DG-GS2954SE-B1

3 YEARS WARRANTY*

Key Features:-

- Supports 48*1G Base-T & 6*10G SFP+ Ports
- Versatile IPv6 Solution
- Supports VSS stacking
- Standard 19-inch rack-mount.
- Single AC power supply
- Supports ERPS ring technology
- Supports Static Routing, RIPng, OSPFv3, BGP4+



Introduction:-

DIGISOL DG-GS2954SE-B1 is a next generation aggregation 10GE switch. It is targeted at medium to large networks like government and enterprise networks, Internet cafe and other networking environment. It is developed on the basis of high-performance hardware and a software platform.

The advanced hardware infrastructure design realizes the level-based packet schedule and packet protection, prevents DoS-/TCP related SYN flood, UDP flood, broadcast storm or large traffic attacks, and supports level-based command line protection, endowing different levels of users with different management permissions. Supports perfect security authentication mechanisms: IEEE 802.1x, Radius and Tacacs+. Supports storm/multicast/unicast limit to ensure the normal running of equipment in harsh network conditions. Supports a perfect ring detection mechanism to ensure the long-term stable running of network. Supports port isolation within the same VLAN, DHCP-Snooping, and IP plus MAC plus Port binding for ensuring user data security.

Technical Specifications:-

Item	DG-GS2954SE-B1
Interface	48*1G Base-T, 6*10G SFP+ Ports, Console 1 RJ45 Port
Backplane	216Gbps
Forwarding rate (Mpps with 64 bytes)	162Mpps
Flash (MB)	16
DRAM (MB)	512
Jumbo frame	9K
MAC	32K
Buffer size (MB)	2
Interface VLAN	1K
Routing table IPv4/IPv6	12K/6K
Chassis - Dimensions (WxDxH)(mm)	440x350x44
Chassis - weight (kg) (empty)	6.1
Package Dimensions (WxDxH)(mm)	576x448x94
Package - weight (kg)	7.1
Power consumption (no load)	45W
Power consumption (Full load)	75W
Power supply	AC 100~240V
Fan	2
Total output BTU (1000BTU/H=293W)	255.97
Noise@25°C (dBA)	45
MTBF(H)	>200,000

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Technical Specifications:-

Item	DG-GS2954SE-B1
VLAN	4K Active VLAN
	QinQ & Selective QinQ
	GVRP
	Private VLAN, Voice VLAN
Spanning Tree	802.1D (STP), 802.1W (RSTP) and 802.1S (MSTP)
	BPDU guard, root guard and loopback guard
Multicast	PIM-SM, PIM-DM, IGMP v1/v2/v3, IGMP Snooping, IGMP Fast Leave
	MVR, IGMP filter
IP	Static route, RIP v1/v2, OSPF, BGP, PBR, ECMP
	BFD for OSPF, BGP
IPv6	ICMPv6, DHCPv6, ACLv6
	IPv6 Telnet
	IPv6 neighbor discovery
	Path MTU discovery
	MLD V1/V2, MLD snooping
	IPv6 Static Routing
	RIPng, OSPFv3, BGP4+
	Manual tunnel
	ISATAP tunnel 6 to 4 tunnel
QoS	CAR, HQoS
	MAC/IP/TCP/UDP/VLAN/COS/DSCP/TOS based QoS
	802.1P/ DSCP priority re-labeling
	SP, WRR, and SP+WRR
	Tail-Drop
	WRED
	Flow monitoring and traffic shaping
Security	Port isolation
	Port security and IP+MAC+port binding
	MAC sticky
	DAI & IP source guard (Ipv4), PPPoE+
	IEEE 802.1x, AAA Radius and TACACS+
	L2/L3/L4 ACL flow identification and filtration
	Anti-attack from DDoS
	TCP's SYN Flood, UDP Flood, etc.
	Broadcast/multicast/unknown unicast storm-control
	MD5, SHA-256, RSA-1024, AES256, etc.
DHCP	DHCP server/relay/client
	DHCP snooping/option82
Reliability	Static/LACP link aggregation, Interface backup
	EAPS and ERPS
	ISSU Uninterrupted system upgrade
	Upto 4 Units per stack
	VRRP, UDLD, URPF

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Technical Specifications:-

Item	DG-GS2954SE-B1
Management	Console, Telnet, SSH v1/2, HTTP, HTTPS, SNMP v1/v2/v3, RMON
	TFTP, FTP, SFTP
	NTP, ZTP, SPAN, RSPAN
	Syslog
Accessories	Power cord
	Rack mounting kits
	Console cable
Environment	Operating temperature: 0°C -50°C
	Operating humidity: 10%-90% non-condensing
	Storage temperature: -20°C to -70°C
	Storage humidity: 5%-95% non-condensing

Rear View :



Ordering Information:-

DG-GS2954SE-B1: DIGISOL 48-Port Gigabit Base-T + 6-Port 10G SFP+ L3 Stackable Managed Switch (Single AC-220V with cooling fan, 1U, standard 19 inch rack-mounted installation)

*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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DIGISOL SYSTEMS LIMITED
CITIPOINT, 7th Floor,
Unit No. B-701, B-702 & B-703,
Andheri-Kurla Road, J. B. Nagar,
Andheri (East),
Mumbai - 400059, INDIA

1800-209-3444

www.digisol.com

helpdesk@digisol.com

@DIGISOLINDIA