

## DIGISOL 10GE L3 Lite PoE Ethernet Switch

### DG-GS2654HPSE2



#### Key Features:-

- Supports 48 GE TX PoE Ports & 6 10GE SFP+ Ports
- Versatile IPv6 Solution
- Supports VSS stacking
- Standard 19-inch rack-mount
- Default PoE : 370W with AC power supply
- Optional Support for 740W PoE with DC power supply
- Supports ERPS ring technology



#### Introduction:-

DIGISOL DG-GS2654HPSE2 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.

DG-GS2654HPSE2 support IEEE 802.3af/at PoE standard and power mapping scales up to a maximum of 370W of PoE+ power. Support PoE non-stop power supply. The PoE+ power is maintained during a switch reload. Support manual and dynamic PoE power allocation, support up to 6KV thunder-proof of the PoE port and power supply.

#### Technical Specifications:-

Item	DG-GS2654HPSE2
Interface	48x 1G PoE ports & 6 10G SFP+ ports, Console 1 RJ45 port
Backplane	216Gbps
Forwarding rate (Mpps with 64 bytes)	162 Mpps
Flash (MB)	16
DRAM (MB)	512
Jumbo frame	9K
MAC	16K
Buffer size(MB)	1.5
Interface VLAN	64
Routing table	2040
Chassis - Dimensions (WxDxH)(mm)	440x300x44
Chassis - weight (kg) (empty)	5.2
Package Dimensions (WxDxH)(mm)	575x448x94
Package - weight (kg)	6.1
Power consumption (no load)	< 25W
Power consumption (Full load)	48W (without PoE)
Power supply	AC 100-240V
PoE Budget	370W
Fan	2
Total output BTU (1000BTU/H=293W)	1535.84@AC, 2730.38@DC
Noise@25°C (dBA)	45
MTBF(H)	>200,000

#### Technical Specifications:-

#### MAIN FEATURES:

Item	DG-GS2654HPSE2
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	IGMP v1/v2/v3, IGMP Snooping, IGMP Fast Leave
	MVR, IGMP filter
IP	Static route
	RIP, OSPF, IPv4 Dual stack
IPv6	ICMPv6, DHCPv6, ACLv6
	IPv6 Telnet
	IPv6 neighbor discovery
	Path MTU discovery
	MLD V1/V2, MLD snooping
	IPv6 Static Routing
	RIPng, OSPFv3
	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)
	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

#### Technical Specifications:-

##### MAIN FEATURES:

Item	DG-GS2654HPSE2
	Upto 4 Units per stack
	VRRP
	UDLD
Management	Console, Telnet, SSH v1/2, HTTP, HTTPS, SNMP v1/v2/v3, RMON
	TFTP, FTP, SFTP
	NTP, ZTP, SPAN, RSPAN
	Dying gasp*
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-GS2654HPSE2:** DIGISOL Ethernet Layer-3 lite switch with 48 PoE ports and 6 10G SFP+ ports, PoE Budget 370W.

\*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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