

DIGISOL Multigig L3 Lite Managed Switch

DG-MS2612HPEX



Key Features:-

- Supports 8 2.5G PoE++ & 4 10G SFP+ ports
- Energy Efficient with Energy saving feature
- Auto-adjusted fan units
- 120Gbps Switching capacity
- Advanced Security features including RADIUS & TACACS+ Authentication
- Supports L3 features (RIP, OSPF, BGP)
- Supports Multicast Features including MVR (Multicast VLAN Register)
- Supports 802.3af/at/bt PoE standards
- Supports upto 90W per PoE port
- 1U, standard 19-inch rack-mounted installation



Introduction:-

DIGISOL DG-MS2612HPEX is a next generation aggregation 10GE switch. It is targeted at medium to large networks, Internet cafe and disk-less working environment. It is developed on the basis of high-performance hardware and a software platform. It supports functions such as powerful ACL, flexible QinQ, 1:1 or N:1 VLAN switching, Ethernet OAM, QoS and industry level 10GE Ether-ring, ensuring this switch meets the application requirements in all kinds of complicated sites. It also supports layer-3 routing protocol.

Technical Specifications:-

HARDWARE FEATURES:

Item	DG-MS2612HPEX
Ports	8x2.5G Base-T PoE++, 4xPort 10G SFP+
	Console: 1-Port RJ45
Performance	
Switching Capacity	120Gbps
Forwarding Rate	90Mpps
Flash	16MB
DRAM	256MB
MAC Address	16K
Jumbo Frame	9K
Buffer Size	1.5MB
VLAN Table	4K
Routing Table (IPv4/IPv6)	512/128
ARP Table (IPv4/IPv6)	2K/2K
L3 Interface	63
Physical	
Dimension(WxDxH)	300mm x 200mm x 44mm
Power Input	Built-in 100~240VAC, 50~60Hz SINGLE, 1 cooling fan
PoE Budget	370W (Max)
Temperature Working	0°C~50°C, Storage -20°C~70°C
Relative Humidity	10%~90% non-condensing, Storage 95%

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SWITCHING SOLUTIONS



Technical Specifications:-

MAIN FEATURES:

Item	DG-MS2612HPEX
MULTICAST	IGMP v1/v2c/v3
	IGMP Snooping
	IGMP Fast Leave
	Multicast group policy and multicast number limit
	Multicast filtering, MVR
	IGMP snooping in certain port and VLAN
	Support for transparent passing of multicast traffic without IGMP
	Snooping in certain port and VLAN
	PIM-DM/SM/SSM
DHCP	DHCP server/relay/client
	DHCP snooping
SECURITY FEATURES	DDoS attack prevention, TCP-SYN/UDP/ARP Flood attack prevention
	IEEE 802.1x authentication, multiple-user authentication, guest vlan
	L2~L4 ACL
	Anti-DOS/IP spoofing/TCP/ping/ SYN/ICMP flood attacks
	Broadcast/multicast/unknown-unicast storm-control
	Port isolation
	Port Security, MAC address limitation, IP+MAC+port binding
	DHCP Snooping, DHCP Option 82
	DAI(Dynamic ARP Inspection)
	IPSG(IP Source Guard)
	IEEE 802.1x certification
	MAC-based authentication
	AAA, Radius, TACACS+
	Multiple user privileges
QOS FEATURES	Traffic classification of port/ L2~4 protocol headers/VLAN/ CoS/DSCP
	CAR traffic control
	802.1P/DSCP priority mapping and remark
	Multiple queuing algorithms such as SP, WRR or SP+WRR
	Tail-Drop, WRED
	Traffic supervision and traffic shaping
	8 queues per port
IPv4	Static routing, RIP v1/v2, OSPF, BGP
	Policy Based Routing(PBR), ECMP
	BFD for static routing, RIP, OSPF, BGP
IPv6	IPv4/v6 dual stack
	ICMPv6, DHCPv6, ACLv6 and IPv6 Telnet
	IPv6 neighbor discovery
	Path MTU discovery
	MLD snooping v1/v2
	IPv6 Static Routing, RIPng, OSPFv3, BGP4+
	Manual tunnel, ISATAP tunnel, 6-to-4 tunnel

Technical Specifications:-

MAIN FEATURES:

Item	DG-MS2612HPEX
RELIABILITY	802.3ad Static/LACP link aggregation,
	EAPS, G.8032 ERPS, ISSU, VRRP
	GR for OSPF and BGP, BFD for OSPF and BGP
	VSS - Virtual Stacking System
MAINTENANCE AND OPERATION MANAGEMENT	CLI: Console, Telnet, SSHv1/2
	Web-GUI: HTTP, HTTPS/SSL
	SNMP v1/v2c/v3, RMON, SNMP alarm/inform/traps
	Upload and download of FTP/TFTP/SFTP files
	Debugging
	Syslog for alarm/notification/ command/debug
	Web-GUI: HTTP, HTTPS/SSL
	NTP
	SPAN, RSPAN (1:1 and N:1 mirror)
	LLDP, LLDP-MED
	sFLOW
	ZTP (Zero Touch Provisioning)
	Optical DDM
	Ethernet cable diagnosis
	802.3ah, 802.1ag

Rear View :



Ordering Information:-

DG-MS2612HPEX: DIGISOL L3 managed switch with 8x2.5G Base-T PoE++ ports and 4x10G SFP+ ports. PoE: 370W, Built-in single AC-220V power supply.

*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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