



DIGISOL[®]

SWITCHING SOLUTIONS

DIGISOL 24 Port Multigig PoE Switch

DG-MS2630HPSE2



Key Features:-

- Supports 8-Port 2.5G PoE++, 16-Port 2.5G PoE+ and 6-Port 10G SFP+
- Energy Efficient with Energy saving feature
- Auto-adjusted fan units
- Advanced Security features - RADIUS & TACACS+ Authentication
- Comprehensive IPv6 solutions
- Intelligent PoE++ (IEEE 802.3af/at/bt PoE standard)
- PoE power budget: 740W
- Supports 90W PoE output on PoE++ ports
- High reliability
- Layer 2 and Layer 3 multicast routing protocols
- Multicast Features including MVR (Multicast VLAN Register)
Innovative management through VSS (Virtual Switch System)
- Supports L3 features (RIP, OSPF, BGP)



Introduction:-

DIGISOL DG-MS2630HPSE2 switch is a Layer 3 LITE Multigig PoE intelligent switch oriented for the large, medium and other PoE network with WiFi6. On the basis of providing high-performance L2/L3/L4 wire-speed switching services, DG-MS2630HPSE2 Series further integrates various network services such as IPv6 and network security.

Combined with multiple high-reliability technologies such as uninterrupted upgrade, uninterrupted forwarding, and redundancy protection, DG-MS2630HPSE2 ensures the long-term stable communication capability of the network. Digisol DG-MS2630HPSE2 is widely recommended in high-end WiFi6 deployment, cyber cafes, E-sports.

Key Features Highlights:-

High reliability

With advanced distributed processing technology and efficient cross-physical device link aggregation function, DG-MS2630HPSE2 separates the logical control plane, service control plane and service data plane, providing uninterrupted Layer 3 routing and forwarding and avoiding business interruption caused by the single failure.

Easy management

The entire virtual system realizes unified management of a single IP, and physical devices are visible to users, which simplifies the management of network devices and network topology, greatly improves operation efficiency, and effectively reduces operation and maintenance costs.

High Reliability:

DG-MS2630HPSE2 supports STP/RSTP/MSTP, VRRP, ring network protection, dual uplink active/standby link protection, LACP and other simple and efficient redundancy protection mechanisms. The switch supports In-Service Software Upgrade (ISSU), ensuring the unremitting data forwarding during system upgrade.

The ultra-high-precision BFD mechanism, through linkage with Layer 2 and Layer 3 protocols, realizes millisecond-level fault detection and service recovery, which greatly improves the reliability of the network system.

Perfect Ethernet OAM mechanism, supporting 802.3ah and 802.1ag, realizes rapid detection and location of faults through real-time monitoring of network operation status. The high reliability hardware and software of the DG-MS2630HPSE2 meet the fault recovery time requirement of 50ms for truly achieve the high reliability.



Key Features Highlights:-

Intelligent PoE++

DG-MS2630HPSE2 supports IEEE 802.3af/at/bt PoE standard, and supports 90W PoE output. DG-MS2630HPSE2 supports up to a maximum of 740W PoE power budget. The switch supports manual and dynamic PoE power allocation; PoE non-stop power supply. The PoE power is maintained during a switch reload.

Perfect security mechanisms

DG-MS2630HPSE2 is a 1U pizza-box switch realizes the ultra-high port density of 8-Port 2.5G PoE++ and 16-Port 2.5G PoE+ and additional 6-Port 10G SFP+. Equipped with high-performance ASIC switch chips, DG-MS2630HPSE2 can meet the application requirements of various complex scenarios.

Comprehensive IPv6 solutions

Supports the IPv6 protocols suite, IPv6 neighbor discovery, ICMPv6, path MTU discovery, DHCPv6, etc.

Supports Ping, Traceroute, Telnet, SSH, ACL and so on, meeting IPv6 networks' device management and service control requirements. Supports IPv6 multicast features such as MLD, MLD Snooping, IPv6 static routing, IPv6 Layer 3 routing protocols such as RIPng, OSPFv3, BGP4+, providing complete IPv6 Layer 2 and Layer 3 solutions.

Supports a wealth of IPv4 to IPv6 transition technologies, including: IPv6 manual tunnel, automatic tunnel, 6to4 tunnel, and ISATAP tunnel to ensure the smooth transition from IPv4 network to IPv6 network.

Technical Specifications:-

HARDWARE FEATURES:

Item	DG-MS2630HPSE2
Interface	8*2.5G PoE ++ ports, 16*2.5G PoE + ports, 6* 10G SFP+ ports
Console	1 RJ45 port
Switching Capacity	240Gbps
Forwarding rate (Mpps with 64 bytes)	180 Mpps
Chassis - Dimensions (WxDxH)(mm)	440x280x44
Package Dimensions (WxDxH)(mm)	576x448x94
Power supply	AC: 100-240V, 50/60Hz
PoE budget	740W
Total output BTU (1000BTU/H=293W)	2901
Noise@25°C (dBA)	45
MTBF(H)	>200,000
Forwarding mode	Store-forward
Flash (MB)	16
DRAM (MB)	512
MAC	32K
Buffer size	(MB) 2
Jumbo frame	9K
Interface VLAN	1K
Routing Table (IPv4/v6)	8K/4K
ARP Table (IPv4/v6)	12k/2k
Total SVI	1K



Technical Specifications:-

MAIN FEATURES:

Item	DG-MS2630HPSE2
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
	PIM-DM/SM/SSM
	IPV4
Policy Based Routing(PBR)	
ECMP	
BFD for static routing, RIP,OSPF, BGP	
DHCP	DHCP server, client, relay,Snooping
IPV6	IPv4/v6 dual stack
	ICMPv6, DHCPv6, ACLv6 and IPv6 Telnet
	IPv6 neighbor discovery
	Path MTU discovery
	MLD V1
	MLD snooping
	IPv6 Static Routing, RIPng, OSPFv3, BGP4+
	Manual tunnel, ISATAP tunnel, 6-to-4 tunnel
QoS	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
SECURITY	8 queues per port
	DDoS attack prevention, TCPSYN/ 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	



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Technical Specifications:-

MAIN FEATURES:

Item	DG-MS2630HPSE2
RELIABILITY	Power 1+1 backup
	802.3ad Static/LACP link aggregation,
	EAPS, .8032 ERPS, ISSU, VRRP
	GR for OSPF and BGP, BFD for OSPF and BGP
	VSS virtual stacking system
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
ENVIRONMENT	Operating temperature/humidity: 0°C-50°C, 10%-90% non-condensing
	Storage temperature/humidity: -20°C-70°C, 5%-95% non-condensing

Rear View :



Ordering Information:-

DG-MS2630HPSE2: DIGISOL 24-Port 2.5G PoE+ 6-Port 10G SFP+ L3 Managed Switch. Single AC-220V power supply, PoE budget: 740W

*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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