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14 Port Industrial Giga Managed Switch, Model IPSMG 308-6S A



IPSMG 308-6S Industrial Managed Switch is fully Managed L2 switch, with Store-Forward architecture, fan-less and energy-saving design, with 8 * 10/100/1000Base-T PoE(af/at) Copper port and 6 * 1.25G/155M SFP fiber port.

IPSMG 308-6S is designed with protection against Lightning, anti-static and operate in -40°C to 75°C for harsh environments such as Industrial automation, Security, Power system, Intelligent transportation systems (ITS), Mining, Water Management & Oil fields.

Hardware Features

- ✓ ERPS (G.8032)
- ✓ Loop Protection
- ✓ Redundant dual DC input power 12/24/48VDC (9.6 to 60V DC). 48V for PoE function
- ✓ Provide Reverse Polarity protection, Overload current protect function
- ✓ 2.25KV DC Hi-pot isolation protection for Ethernet ports and power
- ✓ 4KV surge protection for Ethernet and Fiber ports
- ✓ SFP 100/1000Base-X
- ✓ IP40 Aluminum metal case
- ✓ DIN-rail mounting, Wall Mount kits optional
- ✓ Supports EFT protection 6000VDC for Power port
- ✓ Supports 8 / 15KV ESD protection
- ✓ -40°C to 75°C Operating temperature
- ✓ Low power consumption

Hardware Specifications

Standards	IEEE802.3 10BASE-T, IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-T, IEEE802.3z 1000Base-X IEEE802.3x, IEEE802.1Q VLAN, IEEE802.1w RSTP, IEEE802.1s MSTP, IEEE802.1d STP IEEE802.3af, IEEE802.3at
Switching Capacity	55Gbps Non-blocking
MAC Address Table	8K
Data Buffer	4M
Maximum Frame Size	9.6K Jumbo Frame
Flash Memory	32M
Switch Latency	7μsec
Copper	8*10/100/1000Base-T, RJ45 ESD and EFT protection
Fiber	6*100/1000Base-X SFP Slot
Console	RS232 (RJ45)
Reset Switch	Yes

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Power	Redundant 12V to 58V DC 6-PIN Removable Terminal Block Overload Voltage protection Overload Current protection Reverse Polarity protection 6KV Lightning protection 8 / 15KV ESD protection
PoE Details	IEEE802.3af, IEEE802.3at 30W per port Total PoE Budget for the Switch : 240W
LED Indicators	PWR, RUN, Link/Act, Speed, Fiber Link
Operating Temperature	-40°C to +85°C
Relative Humidity	5 - 95% (no condensation)
Housing	IP40 Protection, Aluminum Alloy, Fanless
Mounting	DIN Rail. Wall mounting (with optional kit)
Dimensions	138*107*45mm
Weight	600g
Regulations Tested for	CE/FCC/ROSH

Software Features

L2 Features	
Port Features	IEEE 802.3x Flow control
	Interface counters
	Storm control
	Isolated Port
Link Aggregation	Static aggregation
	Dynamic aggregation, LACP
Mirror	Port-based mirroring
	VLAN based
	Flow based
Spanning Tree	IEEE802.1d STP
	IEEE802.1w RSTP
	IEEE802.1s MSTP
VLAN	Port-based VLAN
	Access/Trunk/Hybrid-port
	4094 IEEE 802.1Q VLAN VID
	GVRP
Mac-address table	IEEE 802.1q
	MAC Address : 8K
	Support MAC Address automatic Learning
	Static MAC Address
	Dynamic MAC Address
	Security MAC Address

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Loop Protection	Supported
Private VLAN	Supported
ERPS (G.8032)	Single Ring
	Sub-Ring
	Multi-Ring
	Load balance
	Recovery Time < 50ms
Layer 2 Multicast	IGMP Snooping V1/V2/V3
	Source Port Check
	IGMP Fast Leave, Filter and Agent

Security	
ACL	ACL (IP Standard ACL), IPV4/IPV6
	MAC extend ACL, IP extend ACL
	Support matching L2, L3, L4 Layer fields
	Support Log, Redirection, Mirroring, Speed limit
QoS	QoS Class, Remarking
	SP, WRR queue scheduling
	SP, WRR, SP+WRR
	Ingress Port based Rate-limit
	Ingress Priority based Rate-limit
	Egress Port based Rate limit
	Egress Queue based Rate limit
	Policy-based QoS
	Storm Control
IEEE 802.1p 8 active priorities queues for per port	
Dot1x	Port Access Control
	User Access Control
	MAC Address Access Control
	RADIUS Server
IP Source Guard	Support Dynamic table entries
	Support Static table entries
ARP Inspection	Support Dynamic table entries
	Support Static table entries
Port Security	Supported

Management	
Access Management	Supported
User management	Password protection
SNMP	SNMP V1/v2C/V3
RMON	Statistics Group
	History Group
	Alarm Group
	Events Group
CLI	Support

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RADIUS client	Support
Web management	HTTP V1.1, HTTPS
Firmware Upgrade	Revision Upgrade
Syslog/Debug	Support
IPV4/IPV6	Support
Diagnosis	Ping(IPv4)
	Ping(IPv6)
	Trace route(IPv4)
	Trace route(IPv6)

Application	
NTP	NTP Client
DHCP	DHCP Client
DHCP Snooping	Trust Port
Telnet	Telnet Server
TFTP	TFTP Client
SSH	SSH Server

Order Information : IPSMG 308-6S A

IPSMG : Industrial Grade, Managed, Giga PoE Switch
308 : 8 of 10/100/1000 Copper Port
6S : 6 of 100/1000 SFP Ports
A : Fixed

Note : External Power supply 48V DC / 240W (or Wattage as per load) to be provided by the user or ordered separately
: SFP need to be ordered separately