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12 Port Industrial Managed Giga PoE Switch, Model IPSMG 308-4S A75 Series



- ✓ Up to 8 of 10/100/1000 RJ45 ports or 100/1000 BASE-X SFP slots
- ✓ 4 dedicated 1G Uplink SFP slots
- ✓ Up to 8x 802.3af/ 802.3at PoE/PoE+ Power over Ethernet ports, with maximum 30W PoE power per port and up to 240W power budget
- ✓ 128 Gbps High-Performance non-blocking Switching Fabric
- ✓ Redundancy through ITU-T G.8032 ERPS Ring, RSTP, STP, MRP (Client)
- ✓ Wide temperature operations, from -40°C to 70°C

The IESMG 308-4S A75 Series is an Industrial Grade Managed Giga Ethernet Switch. Designed to provide a highly reliable, fault-tolerant, extremely fast network connection in a harsh environment, IPSMG 308-4S A75 Series equips two terminal blocks to provide dual redundant power inputs with Reverse Polarity Protection and allows field engineers to build up a stand-alone fault alarm system.

Technical Specifications

Switch Properties	
Priority Queues	8
VLAN Table	4096
MAC-Based VLAN	256
VLAN ID Range	VID 1 to 4094
Trunk Group	4
Static IGMP Groups	128
Dynamic IGMP Groups	256
MAC Table Size	16K
Packet Buffer Size	1.5 MB
Jumbo Frames	9216 bytes
Ethernet	
Standards	IEEE 802.3af / 802.3at for Power-over-Ethernet IEEE 802.3/802.3u for 10BASE-T/100BASE-T(X) IEEE 802.3ab for 1000BASE-T IEEE 802.3z for 1000BASE-X IEEE 802.3x for Flow and Back pressure Flow Control IEEE 802.1d-2004 for Spanning Tree Protocol IEEE 802.1w for Rapid Spanning Tree Protocol IEEE 802.1s for Multiple Spanning Tree Protocol IEEE 802.1q/p for VLAN Tagging and Class of Service IEEE 802.1x for Authentication IEEE 802.3ad for Port Trunk with LACP

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Protocols	IPv4, IPv6, IGMPv1/v2/v3, IGMP Snooping, GARP, GMRP, GVRP, SNMPv1/v2c/ v3, SNMP Inform, ICMP, Telnet, SSH, Client/IP-port-mapping, BootP, TFTP, SMTP, SMTP (Gmail), RMON, HTTP, HTTPS, Syslog, MRP (Client), LLDP, 802.1x, EAP, RADIUS, TACACS+, Mirror port, QoS, ACL, ITU-T G.8032 ERPS Ring, STP, RSTP, MSTP, Compatible Ring / Chain, U-Ring, NTP Server/Client, Serial Console, Modbus/TCP, IEEE 1588 PTP, V1/V2, UDLD, Security, PoE, Trunk, LACP, MLD, 802.1Q VLAN, Port-Based VLAN, MAC Based VLAN, IP-Subnet-Based VLAN, Protocol-Based VLAN, QinQ, 802.1x, ARP spoof Prevention, DHCP snooping, IP source Guard, Dynamic ARP Inspection, Profinet, DHCP relay Agent
SNMP MIB	MIB II, IF-MIB, SNMPv2 MIB, BRIDGE-MIB, RMON
Time Sync	NTP Server/Client, SNTP
Redundancy	ITU-T G.8032 ERPS Ring, STP, RSTP, MSTP, Compatible Ring/Chain
Power	
Input Voltage	9 to 57V DC 45-57 VDC for 802.3af mode 51-57 VDC for 802.3at mode
Power Consumption	Max 26.4W @ 12V DC Max. 148.5 W @ 45 VDC (Support up to 8 ports at 15.4W per PoE port) Max. 265.2 W @ 51 VDC (Support up to 8 ports at 30W per PoE port)
Connector Reverse Polarity Protection	5-Pin 5.08mm Lockable Terminal Block Yes
Interfaces	
RJ45 Ports Fiber Optics Ports LED Indicators Console Relay Output Button	Upto 8 * 10/100/1000 BASE-T(X) Auto negotiation 4* 100/1000X SFP PWR1, PWR2, Alarm, Run, Ring, RJ-45 Link/Speed, SFP Link, PoE RS232 (RJ45 connector) 2 Relay outputs with current carrying capacity of 1A @ 24 V DC Reset Button

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Physical Characteristics	
Housing	IP30 aluminium housing
Dimension (W x H x D)	76 x 200 x 160 mm
Weight	2500g
Installation	DIN-Rail , Wall mount (optional kit)
Environmental Limits	
Operating Temperature	-40°C to 70°C
Storage Temperature	-40°C to 85°C)
Ambient Relative Humidity	5%~95%, 55°C (Non-condensing)

Standards Tested for

IEC 61000-4-2	IEC 61000-4-6
IEC 61000-4-3	IEC 61000-4-8
IEC 61000-4-4	IEC 61000-4-11
IEC 61000-4-5	

Shock : MIL-STD-810G Method 516.5
Drop : MIL-STD-810F Method 516.5
Vibration : MIL-STD-810F Method 514.5 C-1 & C-2

MTBF : 20 Yrs

Ordering Code : IPSMG 308-4S A75

IPSMG : Industrial Grade Giga PoE Managed Switch
308 : 8 * Giga Ethernet Copper Ports
4S : 4 * 100/1000X SFP
A75 : Fixed

NOTE :

- It is advisable that you use PoE Surge protectors on each port of the Switch.
- The PoE Surge protector has to be installed within 10m distance of the ports.
- It is mandatory that the Switch along with the PoE Surge protectors are very securely earthed.
- Failing which the Switch/Switch ports are likely to be damaged