

## 10 and 12-Port Full Gigabit Managed Ethernet Switch, IESMG S 308 Series

### Feature



- Supports multiple RJ45 ports and Fiber ports combination (with optional SFP slot/ST/FC/SC)
- Supports IGMP Snooping filter multicast packet
- Supports IEEE 802.1Q VLAN
- Supports QoS (IEEE 802.1p/1Q) and TOS/DiffServ
- Supports STP/RSTP, MSTP Networking redundancy
- Support SNMPv1/v2/v3
- Support RMON to improve networking monitoring forecast ability
- Supports link aggregation
- Supports ACL
- Supports port mirroring, convenient for online debug
- Supports port transmission rate limitation, broadcast/multicast/uncertain unicast storm protection
- Supports power, port abnormal status relay output alarm function
- Supports -40°C to 85°C
- Support Dual DC or Dual AC/DC Power supply Input

### Overview

IESMG 308 series are 10 and 12 Port Managed full Gigabit industrial Ethernet switches. It supports up to 4 Gigabit fiber ports, 8 Gigabit RJ-45 ports, and 1 console port, which provides CLI management. It supports Ethernet layer 2 protocols. This series switch is low power consumption; and the fanless design. The operating temperature range is from -40 to 85°C. With strong EMC compatibility, it provides safe and reliable solution for industrial automation, intelligent transportation, video transmission, and other industrial application networking.

### Specification

#### Standards

IEEE 802.3, IEEE 802.3u, IEEE 802.3z, IEEE 802.3ab, IEEE 802.1D, IEEE 802.1W, IEEE 802.1s, IEEE 802.3x, IEEE 802.1Q, IEEE 802.1p, IEEE 802.1ab

#### Protocols

ICMP, TCP, HTTP, HTTPS, Telnet, STP/RSTP/MSTP, LLDP, IGMP, SNMPv1/v2/v3, DHCP Server, NTP, RMON, Syslog

#### Ports

Fiber port : 4 x 1000Base-X (SC/FC/ST/SFP slot)  
RJ45 port : 8 x 10/100/1000Base-T(X), Auto MDI/MDI-X

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**Transmission distance**

Cat.5e : 100m  
Fiber patch cord  
Single-mode : 1310nm 20/40/60Km  
                  1550nm 20/40/60/80/100/120Km  
Multi-mode : 1310nm 2Km

**Switching performance**

Forwarding rate  
Gigabit RJ45 port : 1488095 pps  
Transmission mode : Store-and-Forward  
MAC address buffer : 8K  
Switching bandwidth : 24G

**Power requirement**

Voltage input : Dual Input  
                  : 12 to 48VDC (10.8~52.8VDC) OR  
                  : 110/220V AC/DC (88 to 264VAC/DC)

**Power consumption** : < 15W

**Mechanical characteristics**

Ingress Protection : IP40  
Mounting : DIN-Rail/wall-mounted  
Weight : 1600 gms  
Dimension : 150mm×70mm×120mm (H×W×D)

**Environment**

Operating temperature : -40°C to 85°C  
Storage temperature : -40°C to 85°C  
Relative humidity : 0 to 95% (non-condensing)

**Industrial standards tested for**

EMI: FCC Part 15, CISPR (EN55022) class A

EMS:

IEC(EN)61000-4-2(ESD)	IEC(EN)61000-4-6(CS)
IEC(EN)61000-4-3(RS)	IEC 60068-2-27(Shock)
IEC(EN)61000-4-4(EFT)	IEC 60068-2-32(Freefall)
IEC(EN)61000-4-5(Surge)	

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**Ordering Model Code : IESMG S 308-2\*-XX00-YY-Z**

Model	10/100/1000 Base T Ports	1000Base FX Ports	1000 Base FX SFP Ports
IESMG S 308-4S-Z	8		4
IESMG S 308-2FG-XX00-YY-Z	8	2	
IESMG S 308-4FG-XX00-YY-Z	8	4	

- XX : Fiber type  
 : MM : Multimode, SM for Singlemode. Singlemode is by default
- 00 : Fiber distance. 20Km by default
- YY : Fiber Connector  
 : SC for SC Connector, ST for ST Connector, FC for FC Connector
- Z : Input Supply :  
 : DC for Dual 12/24/48 DC ( 10.8 to 52.8V )  
 : AC for Dual 110/220V AC/DC ( 88 to 264VAC/DC )

**Dimension**

