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## 10 Port Full Gigabit Managed Ethernet Switch, IESMG S 3082 Series

### Feature



- Supports 802.3X full-duplex flow control, & Broadcast storm protection
- Store & Forward
- Supports STP/RSTP/MSTP
- Supports IGMP Snooping V1/V2/V3 Multicast management
- Supports IEEE 802.1QVLAN, IEEE 802.3ac VLAN tagging.
- VLAN GVRP, VLAN creation based on protocol, Port and Subnet based
- Supports static/dynamic Link aggregation
- Supports Quality of service IEEE 802.1p, QoS : COS\DSCP, 4 queue, WRR\SP mode
- Supports ACL, 802.1X, level-to-level administration Safety Management
- Supports CLI, WEB, SNMP Web based Management
- Supports Port Mirroring, Port status, Log management
- Supports Power, Port and Ring abnormal status Alarm relay
- Layer Discovery Protocol (LLDP)
- DSCP Prioritization, Strict priority, weighted round robin or mixed scheduling
- Support Dual DC or Dual AC/DC Power input

### Overview

IESMG 308-2X series are 10 Port Managed full Gigabit industrial Ethernet switches. It supports 2 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

#### Ports

Fiber port : 2x 1000Base-X (SC/FC/ST/SFP slot)

RJ45 port : 8x 10/100/1000Base-T(X), Auto MDI/MDI-X

#### 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

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### **Switching performance**

Forwarding rate  
Gigabit RJ45 port : 1488095 pps  
Transmission mode : Store-and-Forward  
MAC Address : 16K  
Switching bandwidth : 20G  
Jumbo frame Size : 10 Kb  
Packet Buffer Size : 2Mb

### **Power requirement**

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

**Power consumption** : 400mA@24Vmax. < 10W

### **Mechanical characteristics**

Ingress Protection : IP40  
Mounting : DIN-Rail/wall-mounted  
Dimension : 150mm×47.6mm×100mm (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)  
Weight : 850g  
MTBF : 400,000 hrs

### **Industrial standards tested for**

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

EMS:

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

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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 308-2S-Z	8		2
IESMG S 308-2F-XX00-YY-Z	8	2	

- XX : Fiber type  
 : MM for 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 12/24/48 DC (10.8 to 52.8V) Dual Supply  
 : AC for 110/220VAC/DC (88 to 264VAC/DC), Dual Supply

**Dimension**

