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10 and 12 Port Rail Managed Industrial Ethernet Switch, IESM S 308-2F, 308-4F,
308-4FG, 308-4S

Features



- Supports multiple combination for RJ-45 ports and fiber ports (ST/FC/SC/SFP slot)
- Supports IGMP Snooping and GMRP filter multicast packet
- Supports port-based VLAN, IEEE 802.1Q VLAN and GVRP
- Supports QoS(IEEE 802.1p/1Q) and TOS/DiffServ
- Supports STP/RSTP, SNMPv1/v2/v3
- Adopts RMON to improve network monitor forecast ability
- Supports A-ring (single ring and cross ring)
- Support port mirroring, convenient for online debug
- Supports port transmission rate limitation, broadcast/multicast/uncertain unicast storm control
- Supports Power, port, A Ring, Abnormal temperature Relay output alarm function

Overview

IESM S 308X series are managed industrial Ethernet switches. It supports up to 8 of 10/100 Copper ports, upto 4 of 100FX fiber ports & upto 4 of 1000FX SFP ports. It supports 1 console port, provides CLI management; and it supports industrial field Ethernet layer 2 protocol. This series supports port mirroring, VLAN, IGMP, QoS, STP, RSTP, and other management functions such as Console, Telnet, Web, SNMP, and relay alarm output. It provides safe and reliable solution for industrial automation, intelligent transportation, video monitoring, and other industrial application networking access.

Specification

Standards & Protocols

Standards : IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3ab, IEEE802.3z,
IEEE802.1Q, IEEE802.1p, IEEE802.1s, IEEE802.1D, IEEE802.1W

Protocol : ICMP, TCP, HTTP, Telnet, A-Ring, STP/RSTP, SNMP, LLDP, IGMP-Snooping, GMRP

Flow control : IEEE802.3x flow control, back pressure flow control

Ports

Fiber port : Upto 4 of 100Base-FX (SC/FC/ST) and Upto 4 Giga SFP Ports

RJ-45 ports : 8 of 10/100Base-T(X), Auto MDI/MDI-X

Transmission Distance

Cat. 5e : 100m

Fiber

Single-mode : 1310nm 20/40/60Km
1550nm 20/40/60/80/100/120Km

Multi-mode : 1310nm 2Km

Switching Performance

Forwarding rate:

100M ports : 148,810pps

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1000M ports : 1,488,095pps
Transmission mode : store-and-forward
MAC address buffer : 8K
Switching bandwidth : 9.6G

Power Requirement

Voltage input : 12/24/48VDC(10.8~52.8VDC) or
: 110/220VAC(88~264VAC)/50-60Hz

Supports redundant dual power input

Power Consumption

Full load : <15W

Mechanical Characteristics

IP rating : IP40
Weight : 200g
Installation : DIN-Rail

Dimension

Size (W*H*D) : 150 mm*70mm*120mm

Environment

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

Industrial Standards

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)

Ordering Model Code : IESM S 30*-*F-XX00-YY-Z

Model	10/100 Base T Ports	100 Base FX Ports	1000Base FX Ports	1000 Base FX SFP Ports
IESM S 308-2F-Z	8	2		
IESM S 308-4F-XX00-YY-Z	8	4		
IESM S 308-4FG-XX00-YY-Z	8		4	
IESM S 308-0F-4S-XX00-YY-Z	8			4

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 & AC for 110/220V AC. 12/24/48V DC is by default

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Dimension

