

8 and 10 Port Managed Industrial Ethernet Switch, IESM S 306-2F, 304-4F, 308-2FG

Features



- Data control supports 802.3X full-duplex flow control, Broadcast storm
- Redundant network supports STP/RSTP/MSTP and proprietary A Ring
- Multicast management supports IGMP Snooping V1/V2/V3
- VLAN supports IEEE 802.1Q VLAN
- Link aggregation supports link static/dynamic aggregation
- QOS supports COS, DSCP, 4 queues, WRR, SP control mode
- Safety management supports ACL, 802.1X, user level management
- Management supports CLI, WEB, SNMP
- Supports Port mirroring, Port status monitoring, Log management
- Support high recovery speed proprietary Ring protocol with 256 nodes
- Supports transmission rate port limitation, broadcast/multicast/uncertain unicast storm control
- Alarm Relay for Power loss

Overview

IESM S 30XX series are Managed Industrial Ethernet switches. It supports up to 8 Ethernet ports, upto 4 of 100FX fiber ports & upto 2 Giga Fiber ports. It supports 1 console port, provides CLI management. It supports industrial field Ethernet Layer 2 protocol. This switch is low power consumption. The fanless design prevents it from noise interference. The operating temperature range is from -40 to 85°C and together with EMC compatibility, it makes the switch works stable under poor environment which provides safe and reliable solution for all industrial automation needs.

Specification

Standards & Protocols

- Standards : IEEE802.3, IEEE802.3u, IEEE802.3x, 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

- RJ-45 ports : Upto 8 of 10/100Base-T(X), Auto MDI/MDI-X
- Fiber port : Upto 4 of 100Base-FX (SC/FC/ST)
- : Upto 2 1000FX Fiber ports (SC/ST/FC)

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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
1000M ports : 1,488,095pps
Transmission mode : Store-and-forward
MAC address buffer : 8K
Switching bandwidth : 5.6G

Power Supply

Voltage input : Dual 12 to 48VDC (10.8 to 52.8VDC) as Default
Optional : Dual 88 to 264V AC/DC

Power Consumption

Full load : <15W

Mechanical Characteristics

IP rating : IP40
Installation : DIN-Rail

Dimension

Size : 150 mm*47.6mm*100mm (H*W*D)

Environment

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

Industrial Standards tested for

EMI:

FCC Part 15, CISPR (EN55022) class A

EMS:

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

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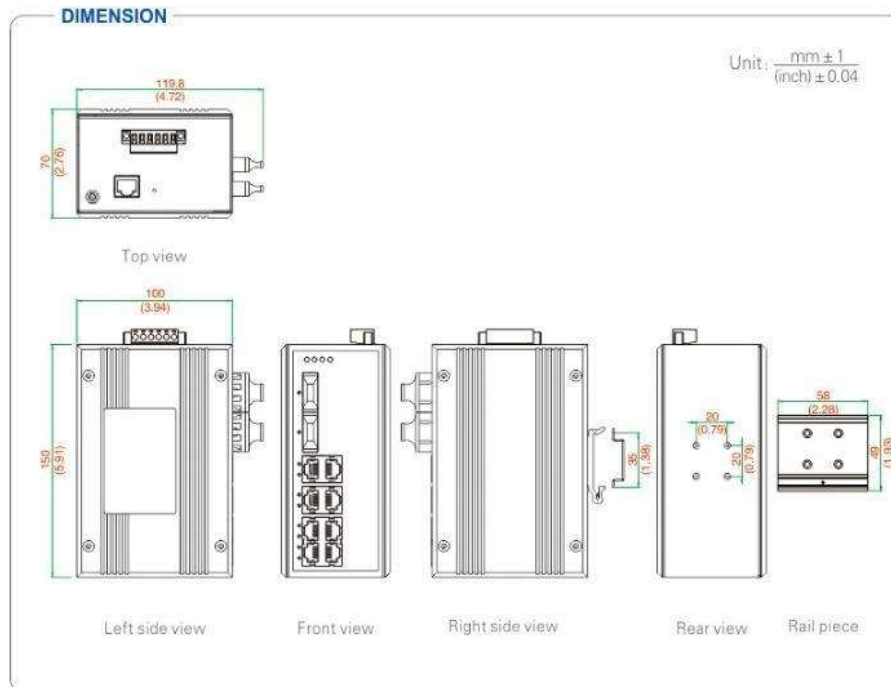


Ordering Model Code : IESM S 30*-*F*-XX00-YY-Z

Model	10/100 Base T Ports	100 Base FX Ports	1000 Base FX Ports
IESM S 306-2F-XX00-YY-Z	6	2	
IESM S 304-4F-XX00-YY-Z	4	4	
IESM S 308-2FG-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 12/24/48V. DC is by default
 : AC for 110/220V AC/DC

Dimension



Note : The revised dimension is 150x47.6x100mm