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10 and 12 Port Industrial Unmanaged Ethernet Switch, Model IES S 108X series

Feature



- Supports full-duplex or half-duplex, auto negotiation
- Supports 10/100Base-T(X), auto detection, auto MDI/MDI-X
- Built-in store-and-forward, 8k buffer
- Operating temperature : -40 to 75°C
- IP rating : IP40
- Relay Alarm function
- Redundant dual power input, overload and reverse polarity protection
- MTBF>300,000 hours

Overview

IESM S 108X series are unmanaged industrial Ethernet switches. It supports up to 12 ports, which include 2 of 100FX Fiber and upto 4 Gigabit SFP ports. This switch has low power consumption. The fanless design prevents it from noise interference. The operating temperature range is from -40 to 75°C. These features make the switch safe and reliable solution for industrial automation, intelligent transportation, video monitoring, and other industrial and networking applications.

Specification

Standards

IEEE802.3, IEEE802.3u

IEEE802.3x Flow control for Full Duplex & Back pressure for Half Duplex

Ports

RJ-45 ports : 10/100Base-T(X), auto MDI/MDI-X

Fiber ports : 100Base-FX (SC/FC/ST), 1000Base-X(SFP slot)

Transmission Distance

Ethernet : 100m

Fiber

Single-mode : 1,310nm, 20/40/60Km, 1,550nm, 20/40/60/80/100/120Km

Multi-mode : 1,310nm, 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 : 56G

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Power Requirement

Input : 12/24/48V DC (10.8 to 52.8V DC)
Power Consumption
Rated power : 20W

Mechanical Characteristics

IP rating : IP40
Weight : <2000g
Installation : DIN-Rail

Dimension

Size(W×H×D) : 70 mm×150mm×120mm

Environment

Operating temperature : -40 to 75°C
Storage temperature : -40 to 75°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)

Ordering Model Code : IES S 108-*F-XX00-YY-Z-R

Model	10/100 Base T Ports	100Base FX Ports	1000 Base FX Ports	1000 Base FX SFP Ports
IES S 108-2F-XX00-YY-Z	8	2		
IES S 108-4F-XX00-YY-Z	8	4		
IES S 108-4FG-XX00-YY-Z	8		4	
IES S 108-4S-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 (10.8 to 52.8V) & AC for 110/220V AC/DC (88 to 264V)

: 12/24/48V DC is by default

R : Dual Power Supply Input. Single Power Supply is default

Note : SFP to be ordered separately

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Dimension

