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Rackmount Unmanaged Industrial Ethernet Switch, IESR S 10XX Series, 16 to 28 ports

Feature



- Upto 28 of Ethernet and Fiber ports combination
- Supports ST/SC/FC/SFP slot types of fiber ports
- Full/Half-duplex, Auto MDI / MDI-X Ethernet ports
- Supports Store-and-Forward
- Supports ESD level 4 & surge level 4 protection
- Non-blocking, full line forwarding
- IP40, fanless design

Overview

IESR S 10XX series are Unmanaged Industrial Ethernet switches. The operating temperature range is from -40 to 85°C. Together with good EMC compatibility, it provides safe and reliable solution for Industrial automation, intelligent transportation, Video transmission, and other Industrial application networking access

Specification

Hardware

Chip set type : Broadcom
RAM for CPU : 3M
Flash Memory : 16M

Standards & protocol

Standards : IEEE802.3, IEEE802.3u, IEEE802.3z, IEEE802.3ab, IEEE802.3x

Ports

RJ45 ports : 10/100Base-T(X), Auto MDI/MDI-X
Fiber ports : 100Base-FX (SC/FC/ST), 1000Base-X (SC/FC/ST/SFP slot)
Tx Power : 5 dBm
Rx Sensitivity : 34dBm
SFP Parameters will depend on the SFP make & model

Transmission distance

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

Switching performance

Forwarding rate : 148,810 pps, Fast Ethernet
: 1,488,095 pps, Giga Ethernet
Transmission mode : Store-and-forward
MAC address buffer : 8K
Backplane bandwidth : 12.8G
Buffer Memory : 12M
Time Delay : < 10μsec
Jumbo frames : 2K bytes
Auto-Uplink Every Port

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Power requirement

Voltage input : 110/220VAC (88 to 264VAC) / 50-60Hz or
: 110/220VDC (88 to 264VDC)

This device supports Single power input, with Dual power Redundant input as option

Reverse polarity protection

5 Pin Terminal block

Power consumption : < 30W

LED indication : Power 1, Power 2, RJ45 ports, ALM, RUN

Alarm Relay : 1A @24V DC. 3 Pin Terminal block for PWR Alarm

Mechanical characteristics

IP rating : IP40

Weight : <4440g

Installation : Rackmount

Dimension : 440mm×44mm×315mm (W×H×D)

MTBF : > 500,000h

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)61000-4-3(RS)

IEC(EN)61000-4-4(EFT)

IEC(EN)61000-4-5(Surge)

IEC(EN)61000-4-6(CS)

IEC(EN)61000-4-8

IEC 60068-2-27(Shock)

IEC 60068-2-32(Freefall)

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Ordering Model Code : IESR S 10-*F-*S XX00 YY ZZ R/S**

Model	10/100Base T Ports	100Base FX Ports	1000Base FX Ports	1000Base SFP
IESR S 108-8F-XX00-YY-ZZ	8	8		
IESR S 108-16F-XX00-YY-ZZ	8	16		
IESR S 1016-ZZ	16			
IESR S 1016-2F-XX00-YY-ZZ	16	2		
IESR S 1016-4F-XX00-YY-ZZ	16	4		
IESR S 1016-8F-XX00-YY-ZZ	16	8		
IESR S 1016-2FG-XX00-YY-ZZ	16		2	
IESR S 1016-4FG-XX00-YY-ZZ	16		4	
IESR S 1016-4S-ZZ	16			4
IESR S 1024-ZZ	24			
IESR S 1024-2F-XX00-YY-ZZ	24	2		
IESR S 1024-4F-XX00-YY-ZZ	24	4		
IESR S 1024-2FG-XX00-YY-ZZ	24		2	
IESR S 1024-4FG-XX00-YY-ZZ	24		4	
IESR S 1024-4S-ZZ	24			4
IESR S 104-24F-XX00-YY-ZZ	4	24		

- 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
- ZZ : Input Supply**
AC for 110/220V AC. DC for 110/220V DC. Range 88 to 264V for both options
- R/S : R for Dual Redundant Input. S for Single Power Input by Default**

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Dimension

