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8 Port Managed Industrial Ethernet Switch, IESM S 3080

Features



- Data control supports 802.3X full-duplex flow control, Broadcast storm
- Redundant network supports STP/RSTP/MSTP and proprietary A Ring with upto 256 nodes
- 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
- Supports Transmission rate port limitation, broadcast/multicast/uncertain unicast storm control
- Alarm Relay for Power loss, Port fault, Temperature, Ring break

Overview

IESM S 3080 series are managed industrial Ethernet switches. It supports up to 8 ports. It supports 1 Console port, provides CLI management; and 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

Transmission Distance

Cat. 5e : 100m

Switching Performance

Forwarding rate:

100M ports : 148,810pps

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

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Power Consumption

Full load : <15W

Mechanical Characteristics

IP rating : IP40

Installation : DIN-Rail

Dimension

Size : 150 mm*70mm*100mm (W*H*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)

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 Code : IESM S 3080-Z

IESM S 3080 : Base Model. 8 Port Managed Industrial Ethernet Switch

Z : Input Supply

: DC for 12/24/48V. DC is by default

: AC for 110/220V AC/DC

Dimension

