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16 Port Managed Industrial Ethernet Switch, IESM S 3016

Overview



IESM S 3016 is Managed industrial Ethernet switch. It supports 16 of 10/100 Copper 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.

Features

- Supports 16 Fast Ethernet RJ-45 ports, Layer 2 Switch
- 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 proprietary A-ring (single ring and cross ring)
- Support Port mirroring, convenient for online debug
- Supports port transmission rate limiting broadcast / multicast / unicast storm control
- Supports Power, Port, Ring failure, Abnormal temperature Relay Alarm function
- Console Port provides CLI Management
- Support Telnet, SNMP, Web based Management functions

Specification

Standards & Protocols

Standards : IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.1Q, IEEE802.1p,
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

RJ45 ports : 16 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 : 11.2G

Power Requirement

Voltage input : Dual 12 to 48VDC (10.8~52.8VDC)

: Dual 110 to 220V AC / DC (Range 88 to 264V)

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Power Consumption

Full load : <10W

Mechanical Characteristics

IP rating : IP40

Weight : 200g

Installation : DIN-Rail

Dimension

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

Environment

Operating temperature : -40°C to 75°C

Storage temperature : -40°C 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 : IESM S 3016-ZZ

IESM S 3016 : Layer 2 Managed Switch, 16 Copper Ports, 10/100Mbps

ZZ : Input Supply : DC for 12/24/48 DC

: AC for 110 to 220V AC / DC

Dimension

