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Connecting. Converting. Leading !

16/20/24/28 Port L2+ Giga Managed Ethernet Switch, IESMGR S Series

Feature



- Multiple combination for Gigabit ports
- Support 8 Giga Combo Ports
- Supports IGMP Snooping with multicast packets
- Supports port-based VLAN, IEEE 802.1Q VLAN
- Supports QoS (IEEE 802.1p/1Q) and TOS / DiffServ
- Supports STP/RSTP, SNMPv1/v2/v3
- RMON to improve network monitor forecast
- Supports Link Aggregation, improve network bandwidth
- Supports ACL, enhance network management safety
- Support Port mirroring, convenient for online debug
- Supports Transmission rate of port limitation, broadcast/multicast/uncertain unicast storm relieving
- Support RADIUS for console access restriction and authentication
- Supports Layer 3 switching (static route/Rip/OSPF/VRRP) with upto 30 Switches under it
- Supports Power, Port, Temperature abnormal status and Ring disconnect relay output alarm

Overview

IESMGR, a full Gigabit Managed Industrial Ethernet switch, supports up to 28 Gigabit ports, includes 12 Gigabit fiber ports. It supports 8 Giga Combo Ports. This series supports port mirroring, VLAN, IGMP, QoS, STP/RSTP, ACL and other management, such as Console, Telnet, Web, SNMP, and Relay alarm output. It supports Layer 3 switching technology (static route/Rip/OSPF/VRRP). This provides safe and reliable solution for industrial automation, intelligent transportation, video monitoring, and other Industrial application

Specification

Standards & Protocols

Chipset : Broadcom or better

Standards : IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3z, IEEE802.3ab, IEEE802.1Q, IEEE802.1p, IEEE802.1D, IEEE802.1W, IEEE802.1s, IEEE802.3ad

Protocol : ICMP, TCP, HTTP, Telnet, STP/RSTP, SNMP, LLDP, IGMP-Snooping, DHCP Server, NTP, RMON, Syslog

Flow control : IEEE802.3x Flow control, Back Pressure flow control

Layer 3 switching : Static route, RIP V1/V2, OSPF, VRRP, supports Router Redundancy

IPv6 Support : Limited functionality: Forward/Transmission of IPv6 packets/message and IPv6 addressing architecture with default address selection for IPv4. Set IPv6 IP address

Ports

RJ-45 port : 10/100/1000Base-T (X), Auto MDI/MDI-X

Fiber port : 1000Base-X SFP

Giga Combo Ports

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Transmission Distance

Cat.5e : 100m

Fiber Cable

Single-mode : 1310nm, 20/40/60Km. 1550nm, 20/40/60/80/100/120Km
Multi-mode : 1310nm, 2Km

Switching Performance

Forwarding rate : 100M : 148,810pps
 : 1000M : 1,488,095pps
Transmission mode : Store-and-forward
MAC address : 16K
Switching bandwidth : 56G
Latency : < 10 μ sec
DRAM : 1G
FLASH : 64M

Power Requirement

Voltage input : Single 110/220V AC (88 to 264VAC) and 110/220V DC (88 to 264V DC) or
 : Dual 110/220V AC, (88 to 264V AC) and 110/220V DC (88 to 264V DC)
 : 50 to 60 Hz for AC Input
Power Port Insulation : 2KV
Reverse Polarity Protection : Yes

Power Consumption

Rated power : <30W

Mechanical Characteristics

IP rating : IP40
Weight : <4440g
Installation : Rack mounted

Dimension

Size : 440mm×44mm×315mm (W×H×D)

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

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Ordering Model Code : IESMGR S 30XX-XS-U-A

| Model | 10/100/1000 Base T Ports | Giga Combo. 10/100/1000TX or 1000X SFP | 1000 Base X SFP Ports |
|--------------------------|--------------------------|--|-----------------------|
| IESMGR S 308-8S-U-A | 8 | | 8 |
| IESMGR S 3016-U-A | 16 | | |
| IESMGR S 3016-4S-U-A | 16 | | 4 |
| IESMGR S 3016-8S-U-A | 16 | | 8 |
| IESMGR S 3016-12S-U-A | 16 | | 12 |
| IESMGR S 3016-8GC-4S-U-A | 16 | 8 | 4 |
| IESMGR S 3024-U-A | 24 | | |
| IESMGR S 3024-4S-U-A | 24 | | 4 |

- IESMGR** : Base code for Giga Managed Rack type Switch
- S** : For Internal Use
- 30XX** : XX = Ethernet ports.
- XS** : XS is no's of SFP Ports.
- 8GC** : Only if Giga Combo option is selected
- U** : Universal AC/DC Supply.
- A** : S for Single Input. D for Dual Redundant Input Supply

