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16 / 20 Port L2+ Giga Managed Industrial Ethernet Switch, IESMG S 3016 Series



IESMG series are full Gigabit managed industrial Ethernet switches. It adopts modular structure design, supports up to 4 Gigabit fiber ports and 16 Gigabit RJ45 ports. It is safe and reliable solution for industrial automation, intelligent transportation, video monitoring, and other industrial application networking access.

Specification

Standards & Protocols

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

- ✓ ARP, ICMP, TCP, HTTP, HTTPS, Telnet, LLDP, DHCP Server, LACP, NTP, Syslog
- ✓ 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 & MSTP network redundancy
- ✓ Supports SNMP v1/v2/v3
- ✓ Supports ACL
- ✓ Supports Link Aggregation
- ✓ Support Port Mirroring, convenient for online debug
- ✓ Adopts RMON to improve network monitor forecast ability
- ✓ Supports Port transmission rate limiting broadcast/multicast/uncertain unicast storm control
- ✓ Supports Power, Port Abnormal temperature Relay Alarm function
- ✓ Supports Management functions such as Console, Telnet, Web, SNMP and Relay Alarm
- ✓ IEEE802.3x Flow control, Back pressure flow control
- ✓ IP ROUTING
- ✓ MAC FILTERING

Layer 3 Switching

Static route, RIP V1/V2, OSPF, VRRP supports Router Redundancy

IPv6 features

Only support configuration of IPv6 addresses and forward IPv6 data packets

Ports

Fiber port : Upto 4 of 1000Base-FX (SC/FC/ST) or Upto 4 Giga SFP Ports
RJ-45 ports : 16 of 10/100/1000Base-T(X), Auto MDI/MDI-X

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Transmission Distance

Cat. 5e : 100m

Fiber

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

Switching Performance

Forwarding rate, 1000M ports: 1,488,095pps
Transmission mode : Store-and-Forward
MAC address buffer : 16K
Switching bandwidth : 56G

Power Requirement

Voltage input
Option 1 : 12 to 48VDC (10.8 to 52.8VDC) (Default)
Option 2 : 110 to 220V AC/DC (88 to 264VAC / 110 to 220V DC)
Support Dual Power Input

Power Consumption

Full load : <15W

Mechanical Characteristics

IP rating : IP40
Weight : 1600g
Installation : DIN-Rail

Dimension

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

Environment

Operating temperature : -40°C to 85°C
Storage temperature : -40°C to 85°C
Relative humidity : 0~95% (non-condensing)
Heat Dissipation : 28,750 J/hr

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)

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Ordering Model Code : IESMG S 3016-*F-*S XX00-YY-ZZ

Model	10/100/1000 Base T Ports	1000Base FX Ports	1000 Base FX SFP Ports
IESMG S 3016	16		
IESMG S 3016-4F-XX00-YY-ZZ	16	4	
IESMG S 3016-4S-ZZ	16		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
- ZZ : Input Supply**
: DC for 12/24/48 DC (10.8 to 52.8V)
: AC for 110~220V AC/DC (88~264VAC, 110 to 220V DC)

Dimension

