

24 Port 19" Rackmount L2 Managed Switch, Model IESMGR 308-16S Series

Features



- 8 x Gigabit RJ45 ports + 16 x Gigabit SFP ports
- SNMP, WEB, Telnet, SSH, Console, Standard & private MIB
- Support standard IP/ Extend IP / MAC IP / ARP ACL
- 802.1x (Port-Based, MD5/TLS/TTLS/PEAP Encryption)
- EAPS (ultra high-speed recovery time < 20 ms), RSTP/STP/MSTP
- L2 MAC Address 8K, Switching capacity 48G
- Power Out alarm
- IP30, metal enclosure with Rack-mounting kits
- Dual 100 to 240VAC input and Relay output
- -20 to 60°C wide-range operating temperature
- Packet forwarding rate : 35.7mbps
- Packet buffer : 9K
- Flash memory : 32 MBit

Introduction

The IESMGR 308-16S series are designed for Industrial applications. Thanks to its wide operating temperature, it can operate reliably in extremely harsh environments. Designed with 16 Gigabit Fiber ports, it provides abundant and flexible connection. It contains surge protection to ensure system stability and relay outputs for greater user flexibility.

Communications

Standard

IEEE 802.3, 802.3u, 802.3x, 802.3z, 802.1D, 802.1w, 802.1p, 802.1Q, 802.1X, 802.3ad, 802.3ab

LAN

10/100/1000Base-T(X)
1000Base-SX/LX/LHX/XD/ZX/EZX

Distance

Ethernet: Up to 100m (4 wire Cat.5e, Cat.6)
RJ45 cable suggested for Gigabit port)
SFP: Up to 110 km (depends on SFP)

Transmission Speed

Ethernet: 10/100/1000 Mbps Auto-Negotiation
Gigabit Copper: 10/100/1000 Mbps, Auto-Negotiation
Gigabit Fiber: Up to 1000 Mbps

Interface

Connectors

8 x RJ45 (Ethernet)
16 x SFP Ports
5-pin removable screw terminal (Power)
2-pin removable screw terminal (Relay)

LED Indicators

RJ-45 : Link/Activity
SFP : Link/Activity

Console : RS-232 (RJ45)

L2 Features

L2 MAC Address : 8K
Switching capacity : 48G
Jumbo Frame : 9KB

VLAN Group : 4093 (VLAN ID 1 to 4093)
VLAN Mac based, Protocol based, IP subnet based, Port based, GVRP

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Port Mirroring : Per port, Multi-source port
IP Multicast : IGMP Snooping v1/v2/v3,
MLD Snooping, IGMP Immediate leave
Storm Control : Broadcast, Multicast,
Unknown unicast
Spanning Tree : IEEE 802.1D-STP, IEEE
802.1s-MSTP, IEEE 802.1w-RSTP, EAPS

Security

Port Security : Static, Dynamic
Authentication : 802.1x (Port-Based),
RADIUS, TACACS+
ACL : Standard IP/ Extend IP / MAC IP /
ARP ACL
Advanced Security : IP Source Guard

Management

DHCP, Relay, Option82
Access : SNMP, WEB, Telnet, RMON,
Standard MIB, Private MIB

Security Access : SSH
Software Upgrade : TFTP, HTTP
NTP : NTP client

QoS

Priority Queue Scheduling : WRR (Weighted
Round Robin), SP (Strict Priority)
Class of Service : IEEE 802.1p based CoS,
IP TOS, DSCP based CoS

Rate Limiting : Egress Rate limit, Ingress
Rate limit
Link Aggregation : IEEE 802.3ad Dynamic
Port Trunking, Static Port Trunking

Power

Power Consumption : 25 W @ 110VAC
Power Input : Dual 90 to 264VAC / 88 to
370VDC (Factory Set)
Fault Output : Relay Output P2 Fail

Environment

Operating Temperature : -20 to 60°C
Storage Temperature : -20 to 70°C
Operating Humidity : 10 to 95% (non-
condensing)
Storage Humidity : 10 to 95% non-
condensing

Protection

Surge protection
Power: CM / DM 8/20us 3KA
RJ45 : CM / DM 10/700us 6KV
Reverse Polarity : Present
Overload Current : Present

Mechanical Enclosure

IP30, Metal with Rack-mounting kits
Dimensions : 442 x 44 x 352 mm
Mounting : 1U, 19" Rack mount

Certification tested for

Safety CE-LVD
EMI CE FCC EN55022 Class A
EMS EN 61000-4-2,
EN 61000-4-3
EN 61000-4-4
EN 61000-4-5

EN 61000-4-6
EN 61000-4-8
Shock IEC 60068-2-27
Freefall IEC 60068-2-32
Vibration IEC 60068-2-6

Ordering Information : IESMGR 308-16S Hi

IESMGR : 19" Rack-mount Giga L2 Managed Switch
308-16S : 8 Giga Copper Ports and 16 Giga SFP ports
Hi : Fixed