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4 Port Industrial Lite Managed Giga Switch, Model IESLMG 302-2S A



IESLMG 302-2S A Industrial Lite Managed Switch is Managed L2 switches, with Store and Forward architecture, Fan-less and energy-saving design, with 2 * 10/100/1000Base-T Copper port and 2 * 1.25G / 155M SFP fiber port. IESMG 302-2S A is designed with protection against Lightning, anti-static and operate in -40°C to 75°C for harsh environments such as Industrial automation, Security, Power system, Intelligent transportation systems (ITS), Mining , Water Management & Oil fields.

Hardware Features

- ✓ ERPS (G.8032)
- ✓ Redundant dual DC input power 12 / 24 / 48VDC (12 to 58V DC)
- ✓ Provide Reverse Polarity and Overload current protect function
- ✓ 4KV surge protection for Ethernet and Fiber ports
- ✓ Supports EFT protection 4000VDC for Power port
- ✓ Supports 8 / 15KV ESD protection
- ✓ IP40 Aluminum metal case
- ✓ DIN-rail mounting, Wall Mount kits optional
- ✓ - 40°C to 85°C Operating temperature

Hardware Specifications

Standards	IEEE802.3 10BASE-T, IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-T, IEEE802.3z 1000Base-X IEEE802.3x, IEEE802.1Q VLAN, IEEE802.1w RSTP, IEEE802.1s MSTP, IEEE802.1d STP
Switching Capacity	8Gbps Non-blocking
MAC Address Table	8K
Data Buffer	1M
Maximum Frame Size	9.6K Jumbo Frame
Copper	2*10 / 100 / 1000Base-T, RJ45 ESD and EFT protection
Fiber	2*100 or 1000Base-X SFP Slot
Console	RS232 (RJ45)
Reset Switch	Yes
Power	12V to 58V DC 4-PIN Removable Terminal Block Wattage : < 6W
Power Protection	Overload Voltage protection Overload Current protection 4KV Lightning protection 8 / 15KV ESD protection
LED Indicators	PWR, RUN, Link / Act, Speed, Fiber Link
Operating Temperature	-40°C to +85°C
Relative Humidity	5 - 95% (no condensation)
Housing	IP40 Protection, Aluminum Alloy, Fan less
Mounting	DIN Rail. Wall mounting (with optional kit)

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Dimensions	120*95*40mm
Weight	500g

Software Features

L2 Features	
Port Features	IEEE 802.3x Flow control
	Interface counters
	Storm control
Link Aggregation	Static aggregation
	Dynamic aggregation, LACP
Mirror	Port-based mirroring
Spanning Tree	IEEE802.1d STP
	IEEE802.1w RSTP
	IEEE802.1s MSTP
VLAN	Port-based VLAN
MAC Address Table Management	Static MAC Address
	Dynamic MAC Address
	Filtering MAC Address
ERPS (G.8032)	Single Ring
	Multiple-Ring
	Multiple Instances
Layer 2 Multicast	IGMP Snooping V1 / V2 / V3
	Static Multicast Entry
	IGMP Fast Leave
Port Isolate	Yes

Security	
QoS	QoS Class, Remarking
	SP, WRR queue scheduling
	Ingress Port based Rate-limit
	Egress Port based Rate limit
Dot1x	Port Access Control
	MAC Address Access Control
	RADIUS Server

Management	
User management	Password protection
SNMP	SNMP V1 / v2C
RMON	Statistics
	History
	Alarm
	Events
Web management	HTTP V1.1
Firmware Upgrade	Yes
Syslog / Debug	Support
IPV4	Yes

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Diagnosis	Ping (IPv4)
	Trace route (IPv4)

Application	
NTP	NTP Client
Telnet	Telnet Server
TFTP	TFTP Client

Approvals & Standards Tested for

Electro Magnetic Interference EMISSIONS : EN55032 : 2015

- | | | |
|---|------------------------|---|
| 1 | EN55022 / 55032 : 2015 | Conducted Disturbance, Radiated Disturbance |
| 2 | IEC 61000-3-2 : 2014 | Harmonic Current Emissions |
| 3 | IEC 61000-3-3 : 2013 | Voltage Fluctuation & Flicker |

Electro Magnetic Immunity / Susceptibility : EN55024 / EN55035 : 2017

- | | | |
|---|----------------------|--|
| 1 | IEC 61000-4-2 : 2009 | Electrostatic Discharge |
| 2 | IEC 61000-4-3 | RF Immunity |
| | | Continuous Radiated Disturbance |
| 3 | IEC 61000-4-4 | Electrical Fast Transient |
| 4 | IEC 61000-4-5 | Surge Immunity |
| 5 | IEC 61000-4-6 | Conducted RF immunity |
| | | Continuous Conducted Disturbance |
| 6 | IEC 61000-4-8 | Power Frequency Magnetic Field |
| 8 | IEC 61000-4-11 | AC Voltage Dips & Interruption/Variation |

SAFETY : EN 62368 / EN 60950

FCC : FCC 47 CFR Part 15B 15.107(a), 15,109(a)

Order Information : IESLMG 302-2S A

IESLMG	: Industrial Grade Lite Managed Giga Switch
302	: 2 of 10/100/1000 Copper Port
2S	: 2 of 100 / 1000 SFP Ports
A	: Fixed

Note : SFP has to be purchased separately