



4 & 6 PORTS

INDUSTRIAL LITE MANAGED SWITCH - GIGA

DDSLMG SERIES



SYNOPSIS

- DDSLMG 30X-2S A INDUSTRIAL LITE MANAGED SWITCH ARE 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.
- DDLMG 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.

FEATURES & BENEFITS

- 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	35.7 Mpps
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	



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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)
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
MAC-address table	Static MAC-address Dynamic MAC-address Filtering MAC address
Mirror	Port-based Mirror
Spanning Tree	IEEE802.1d STP IEEE802.1w RSTP IEEE802.1s MSTP
ERPS (G.8032)	Single Ring Multi Ring Multiple Instances
VLAN	Port-based VLAN
Port Isolation	Supported
Layer 2 Multicast	IGMP Snooping V1 / V2 / V3 Static Multicast Entry IGMP Fast Leave

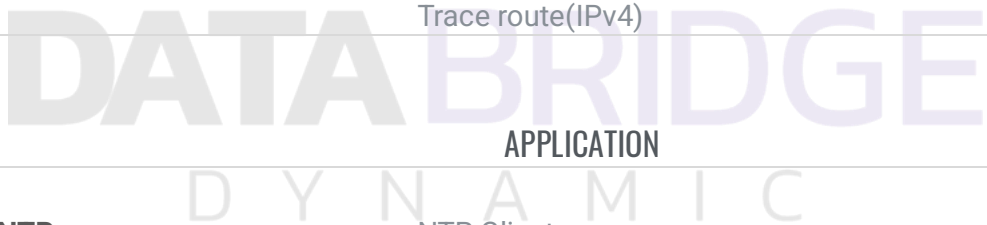


SECURITY

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 Group History Group Alarm Group Events Group
Web management	HTTP V1.1
Firmware Upgrade	Yes
IPv4	Supported
Syslog/Debug	Supported
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

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

ELECTRO MAGNETIC IMMUNITY / SUSCEPTIBILITY: EN55024 / EN55035 : 2017

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

OTHERS

EN 62368 / EN 60950	Safety
FCC 47 CFR Part 15B	FCC
15.107(a), 15,109(a)	

ORDERING CODE

DDSLMG 30X-2S A

DDSLMG	Industrial Grade Lite Giga Managed Ethernet Switch	
30X	302	2 * 10/100/100 Copper Ports
	304	4 * 10/100/100 Copper Ports
2S	2 * 100/1000 SFP Port	
A	Fixed	

