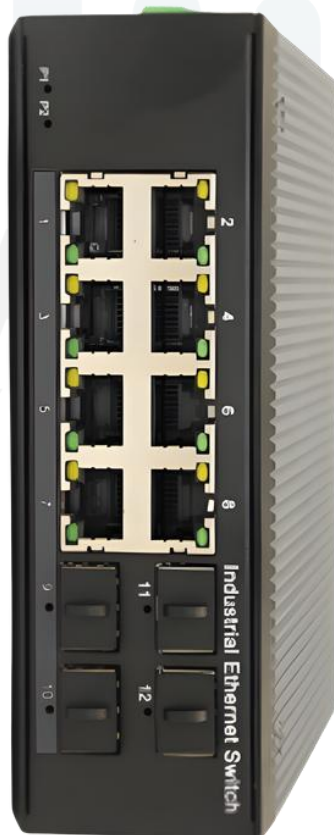




12 PORT UNMANAGED INDUSTRIAL GRADE ETHERNET SWITCH-GIGA

DDSG SERIES



SYNOPSIS

- THE DDSG 108-4S Y IS A HARDENED 12-PORT INDUSTRIAL ETHERNET SWITCH DESIGNED TO DELIVER NON-BLOCKING, WIRE-SPEED PERFORMANCE IN HARSH INDUSTRIAL ENVIRONMENTS.
- IT FEATURES 8 × 10/100/1000BASE-T RJ45 PORTS AND 4 × SFP FIBER PORTS.
- HOUSED IN A RUGGED IP40-RATED ENCLOSURE WITH A REDUNDANT POWER INPUT SYSTEM TO ENSURE HIGH RELIABILITY.
- ITS SLIM AND COMPACT DESIGN MAKES IT IDEAL FOR APPLICATIONS SUCH AS SURVEILLANCE SYSTEMS, INDUSTRIAL CONTROL AND AUTOMATION, AND WIRELESS NETWORK DEPLOYMENTS IN CLIMATICALLY DEMANDING CONDITIONS.
- THE SWITCH SUPPORTS A WIDE OPERATING TEMPERATURE RANGE FROM –40°C TO 80°C, ENSURING STABLE OPERATION IN EXTREME ENVIRONMENTS.
- THE DDSG 108-4S Y OFFERS FLEXIBLE CONNECTIVITY ACROSS MULTIPLE 10/100/1000 MBPS ETHERNET MEDIA VIA RJ45 PORTS, WHILE ALSO PROVIDING HIGHLY STABLE AND RELIABLE FIBER TRANSMISSION PERFORMANCE

TECHNICAL SPECIFICATIONS

10/100/1000Base-TX Port	8 port RJ-45 auto-MDI / MDI-X	
1000Base-Fiber Port	4 Port SFP Port	
Performance Specification	Bandwidth	: 52Gbps
	Packet Buffer Memory	: 2Mbit
	Packet Forwarding Rate	: 41.7Mpps
	MAC Address Table	: 8K
Maximum Frame Size	9000bytes	
Flow Control	Back pressure for half duplex,	
	IEEE 802.3x pause frame for full duplex	
Network Protocols	IEEE802.3 10BASE-T.	
	IEEE802.3i 10Base-T.	
	IEEE802.3u;100Base-TX/FX.	
	IEEE802.3ab 1000Base-T.	
	IEEE802.3z 1000Base-X.	
	IEEE802.3x;	
Network cables	10BASE-T:	Cat3,4,5 UTP (≤100 meter)
	100BASE-TX:	Cat5 or later UTP (≤100 meter)
	1000BASE-TX :	Cat6 or later UTP (≤100 meter)
LED Indicator	Power, Fiber and Ethernet	
MTBF	300,000hours	

APPROVAL AND STANDARD TESTED FOR

IEC61000-4-2	ESD: ±8kV (contact), ±12kV (air)
IEC61000-4-3	RS: 10V/m (80~1000MHz)
IEC61000-4-5	Surge Protection of power ±2kV/DM, ±4kV/CM; Data Port: ±2kV
IEC61000-4-6	CS: 3V (10kHz-150kHz); 10V (150kHz-80MHz)
IEC61000-4-16	Common mode conduction: 30V (cont.), 300V (1s)
FCC CFR47 Part 15, EN55032, Class A	EMI

POWER

Power Input	12 to 52V DC Redundant power
Power Consumption	<10 watts
Surge Protection	± 4KV

MECHANICAL

Dimensions (W x D x H)	143.7 x 125 x 47.7mm
Weight	0.64Kg
Installation	DIN rail
Enclosure	IP40 Aluminum housing

ENVIRONMENT

Working Temperature	-40 to 80°C
Storage Temperature	-40 to 80°C
Relative Humidity	5% to 95 % (no condensation)

ORDERING CODE

DDSG 108-4S Y

DDSG	Industrial Grade unmanaged Giga Ethernet Switch
108	8 * 10/100/1000 Copper Ports
4S	4* 1000Base SFP Ports
Y	Fixed