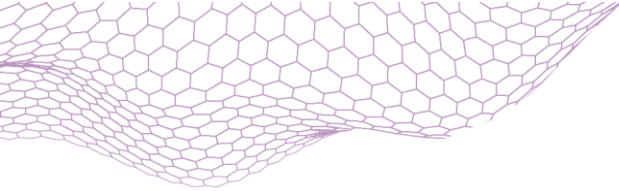




8 PORT INDUSTRIAL ETHERNET UNMANAGED 10/100/1000M SWITCHES

DDSG SERIES





SYNOPSIS

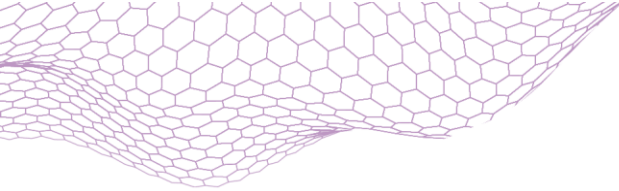
- THE DDSG 1080 CF IS AN INDUSTRIAL-GRADE 10/100/1000M ETHERNET SWITCH EQUIPPED WITH 8 × 10/100/1000BASE-T RJ45 PORTS. EACH PORT SUPPORTS NON-BLOCKING FULL WIRE-SPEED FORWARDING TO ENSURE HIGH-PERFORMANCE DATA TRANSMISSION.
- DESIGNED FOR HARSH INDUSTRIAL ENVIRONMENTS.
- WITH AN MTBF OF UP TO 35 YEARS, IT DELIVERS LONG-TERM DEPENDABLE PERFORMANCE IN CRITICAL INDUSTRIAL APPLICATIONS.
- THE SWITCH IS IDEALLY SUITED FOR INTELLIGENT TRANSPORTATION SYSTEMS, RAIL TRANSIT, POWER UTILITIES, MINING, METALLURGY, INDUSTRIAL AUTOMATION, AND GREEN ENERGY INFRASTRUCTURE, PROVIDING A COST-EFFECTIVE, EFFICIENT, AND HIGHLY STABLE INDUSTRIAL COMMUNICATION NETWORK SOLUTION.

FEATURES

- SUPPORTS NON-BLOCKING WIRE-SPEED FORWARDING FOR HIGH-PERFORMANCE DATA TRANSMISSION.
- SUPPORTS IEEE 802.3X FLOW CONTROL IN FULL-DUPLEX MODE AND BACKPRESSURE FLOW CONTROL IN HALF-DUPLEX MODE.
- INTEGRATED DIP SWITCH ENABLES ONE-TOUCH PORT ISOLATION MODE CONFIGURATION. IN ISOLATION MODE, PORTS 2–8 ARE ISOLATED FROM EACH OTHER WHILE MAINTAINING COMMUNICATION WITH PORT 1, EFFECTIVELY REDUCING BROADCAST STORMS AND IMPROVING NETWORK STABILITY.
- PROVIDES ENHANCED SURGE AND ESD PROTECTION WITH 8KV CONTACT DISCHARGE, 15KV AIR DISCHARGE, 4KV COMMON-MODE LIGHTNING PROTECTION, AND 2KV DIFFERENTIAL-MODE PROTECTION.
- SUPPORTS INDUSTRIAL-GRADE DUAL REDUNDANT POWER INPUTS FROM 12V TO 52V DC.
- FEATURES LOW POWER CONSUMPTION, FANLESS THERMAL DESIGN, AND RUGGED ALUMINUM ENCLOSURE WITH PROTECTION LEVEL IP40 FOR RELIABLE INDUSTRIAL OPERATION.

TECHNICAL SPECIFICATIONS

Fixed Port	8 * 10/100/1000Base-Tx RJ45 Ports
Port	RJ45
Distance	≤ 100 meters
Network Protocol	IEEE802.3 10BASE-T, IEEE802.3i 10Base-T, IEEE802.3u 100Base-TX, IEEE802.3u 100Base-FX, IEEE802.3x, IEEE802.3ab 1000Base-T, IEEE802.3z 1000Base-X
Forwarding Mode	Store and forward
Switching Capacity	16 Gbps
Buffer Memory	11.9Mpps
MAC	8K
LED Indicator	Power, Link



POWER

Input Power	24V DC. Range 12 to 52V DC, 4 Pin industrial phoenix terminal, Support Reverse polarity protection
Max. Power Consumption	<5W

PHYSICAL CHARACTERISTICS

Dimension (L*W*H)	141mm* 100mm*41mm
Enclosure	Aluminium
Mounting	DIN Rail
Ingress Protection	IP40

ENVIRONMENT

Operating Temperature	-40 to 75°C
Storage Temperature	-40 to 85°C
Operating Humidity	5 to 90% non-condensing
Storage Humidity	5 to 95% non-condensing

ORDERING INFORMATION

DDSG 1080 CF

DDSG	8 Port Industrial Ethernet Giga Unmanaged Switch
1080	8* 10/ 100/ 1000Base-TX RJ45 port
CF	Fixed