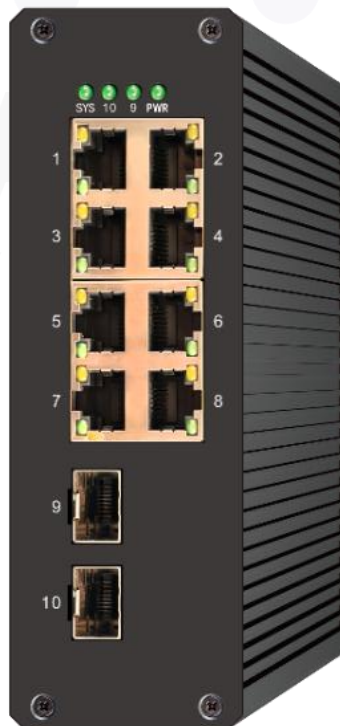




10 PORT INDUSTRIAL ETHERNET UNMANAGED 10/100/1000M SWITCH

DDSG SERIES



SYNOPSIS

- DDSG108-2S-FJ IS AN INDUSTRIAL-GRADE GIGABIT ETHERNET FIBER SWITCH FEATURING 8 × 10/100/1000BASE-T RJ45 PORTS AND 2 × 1000BASE-X SFP UPLINK PORTS.
- THE SWITCH SUPPORTS WIRE-SPEED, NON-BLOCKING FORWARDING ON ALL PORTS, ENSURING HIGH-PERFORMANCE DATA TRANSMISSION.
- RTS INGRESS PROTECTION LEVEL IS IP40.
- THE SWITCH SUPPORTS DUAL REDUNDANT POWER INPUTS, FANLESS OPERATION, AND A LOW-POWER DESIGN FOR RELIABLE AND ENERGY-EFFICIENT PERFORMANCE.
- MTBF (MEAN TIME BETWEEN FAILURES) OF UP TO 35 YEARS

FEATURES

- EQUIPPED WITH 8 × 10/100/1000BASE-T RJ45 ETHERNET PORTS AND 2 × 1000BASE-X SFP UPLINK PORTS FOR FLEXIBLE NETWORK CONNECTIVITY.
- SUPPORTS NON-BLOCKING WIRE-SPEED PACKET FORWARDING TO ENSURE MAXIMUM THROUGHPUT AND LOW-LATENCY DATA TRANSMISSION.
- COMPLIANT WITH IEEE 802.3X FLOW CONTROL FOR FULL-DUPLEX OPERATION AND BACKPRESSURE FLOW CONTROL FOR HALF-DUPLEX ENVIRONMENTS.
- PROVIDES ROBUST SURGE AND ESD PROTECTION WITH 8 KV CONTACT DISCHARGE, 15 KV AIR DISCHARGE, 4 KV COMMON-MODE LIGHTNING PROTECTION, AND 2 KV DIFFERENTIAL-MODE LIGHTNING PROTECTION ON ETHERNET PORTS.
- SUPPORTS DUAL REDUNDANT DC POWER INPUTS (12–52 VDC) AND POE POWER INPUT RANGE OF 48–57 VDC, ENSURING RELIABLE OPERATION IN INDUSTRIAL ENVIRONMENTS.

TECHNICAL SPECIFICATIONS

Fixed Port	8 * 10/100/1000Base-Tx RJ45 Ports 2* 1000Base-X Uplink SFP Port
Ethernet Port	10/100/1000Base-TX Autosensing, Full/Half Duplex MDI/MDI-X Self-Adaption
Twisted Pair Transmission	10BASE-T: Cat3, 4, 5 UTP (≤100 Meter) 100BASE-T: Cat5e or Later UTP (≤100 Meter) 1000BASE-T: Cat5e or Later UTP (≤100 Meter)
SFP Slot Port	Gigabit SFP Optical. LC port
Wavelength/ Distance	Multimode: 850nm 0 to 550M, 1310nm 0 to 2KM Single Mode: 1310nm 0 to 40KM, 1550nm 0 to 120KM
Network Protocol	IEEE802.3 10BASE-T, IEEE802.3i 10Base-T, IEEE802.3u 100Base-TX, IEEE802.3u 100Base-SX, IEEE802.3x, IEEE802.3ab 1000Base-T; IEEE802.3z 1000Base-X;

Forwarding Mode	Store and forward (Full Wire Speed)
Switching Capacity	20Gbps
Buffer Memory	14.8Mpps
LED Indicator	Power, Link, RJ45 Network Status

POWER

Input Power	12 to 57V DC Dual Redundant Power Supply 4 Pin Industrial Phoenix Terminal, Support Reverse Polarity Protection
--------------------	--

PHYSICAL CHARACTERISTICS

Dimension (L*W*H)	149mm* 111mm*47mm
Enclosure	Metal
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 108-2S FJ

DDSG	10 Port Industrial Ethernet Giga Unmanaged Switch
108	8* 10/ 100/ 1000Base-TX RJ45 port
2S	2* 1000Base-X Uplink SFP Port
FJ	Fixed