



5 PORT INDUSTRIAL UNMANAGED 10/100 ETHERNET SWITCHES

DDS FJ SERIES



SYNOPSIS

- THE DDS 1050 FJ IS A 10/100M INDUSTRIAL ETHERNET SWITCH INDEPENDENTLY DEVELOPED BY DATABRIDGE DYNAMIC, ENGINEERED FOR HIGH RELIABILITY AND LONG-TERM STABLE OPERATION IN DEMANDING INDUSTRIAL ENVIRONMENTS.
- IT FEATURES 5 × 10/100M RJ45 PORTS, EACH SUPPORTING FULL LINE-RATE FORWARDING TO ENSURE EFFICIENT AND SEAMLESS DATA TRANSMISSION.
- BUILT TO WITHSTAND HARSH FIELD CONDITIONS, THE DDS 1050 FJ DELIVERS EXCEPTIONAL INDUSTRIAL-GRADE ENVIRONMENTAL ADAPTABILITY, INCLUDING MECHANICAL DURABILITY, CLIMATE RESILIENCE, AND ELECTROMAGNETIC INTERFERENCE IMMUNITY.
- WITH AN IP40 PROTECTION RATING, DUAL-REDUNDANT POWER SUPPLY SUPPORT, LOW POWER CONSUMPTION, AND A FANLESS THERMAL DESIGN, IT GUARANTEES RELIABLE CONTINUOUS OPERATION.
- THE DEVICE OFFERS AN IMPRESSIVE MTBF OF UP TO 35 YEARS.
- THE DDS 1050 FJ IS IDEAL FOR ESTABLISHING COST-EFFECTIVE AND STABLE COMMUNICATION NETWORKS IN INDUSTRIAL APPLICATIONS SUCH AS INTELLIGENT TRANSPORTATION, RAIL TRANSIT, ELECTRIC POWER SYSTEMS, MINING ETC.

FEATURES

- THE DDS 1050 FJ EQUIPED WITH 10/ 100M RJ45 PORT, ALLOWING USERS TO FLEXIBLY DESIGN AND DEPLOY NETWORKS TAILORED TO DIVERSE APPLICATION SCENARIOS.
- SUPPORTS NON-BLOCKING, WIRE-SPEED DATA FORWARDING FOR OPTIMAL TRANSMISSION PERFORMANCE.
- SUPPORTS FULL-DUPLEX OPERATION BASED ON IEEE 802.3X FLOW CONTROL AND HALF-DUPLEX OPERATION BASED ON BACKPRESSURE.
- **PORT LIGHTNING PROTECTION & WIDE VOLTAGE INPUT**
 1. DESIGNED WITH ROBUST ESD PROTECTION: 8 KV CONTACT DISCHARGE AND 15 KV AIR DISCHARGE.
 2. NETWORK PORTS SUPPORT LIGHTNING PROTECTION UP TO 4 KV COMMON-MODE AND 2 KV DIFFERENTIAL-MODE, ENSURING HIGH RELIABILITY IN HARSH INDUSTRIAL ENVIRONMENTS.

SPECIFICATIONS

Fixed Port	5* 10/100Base-TX RJ45 port
Cable Type	UTP-5E
Transfer rate	10/100Mbps
Distance	Gigabit SFP optical Fiber interface
Wavelength/Distance	≤ 100 meters
Network Protocol	IEEE802.3u 100Base-TX, IEEE802.3u 100Base-FX, IEEE802.3x
Forwarding Mode	Store and Forward (Full Wire Speed)
Switching Capacity	1Gbps
Buffer Memory	744K
MAC	1K
LED Indicator	PWR and Link
MTBF	35 yrs

POWER

Working Voltage	DC12-52V, 4 Pin industrial phoenix terminal, Dual Redundant Power Supply Support Anti-reverse Protection
Power Consumption	Standby<3W Full load<5W
Power Supply	12V/1.5A industrial power supply

PHYSICAL CHARACTERISTICS

Dimension (L*W*H)	116mm* 86.5mm*32.5mm
Installation	Desktop, DIN rail
Enclosure	Aluminium Shell
IP rating	IP40

ENVIRONMENT

Working Temperature	-40°C to +75°C
Storage Temperature	-40°C to +85°C
Operating Humidity	5% to 90% RH (Non-condensing)
Storage Humidity	5% to 95% RH (Non-condensing)

ORDERING INFORMATION

DDS 1050 FJ

DDS	Fast Ethernet Unmanaged Switch
1050	5* 10/100Base-TX RJ45 port
FJ	Fixed