IMF208-2F-8DI (RS-485)

2 port 100Base-FX+8 channel RS-485 redundancy ring RS485 to fiber converter

Features

1. Support 8 channel RS-485

2. Support 2 port 100Base-FX Fiber

3. Support dual(single) Ring line, ST/SC/FC optional

4. Support Redundancy ring, recovery time＜20ms

5. Support 0bps~115200bps

6. Support Windows serial driver procedure format

7. Provide Windows configuration tools, easy to use and install in bath

8. Support 3 types power supply input

9. Industry grade design, IP30 protection level

10. No fan, low consumption design

11. Working temperature:-40℃-75℃

12. Storage temperature: -40℃-85℃

Introduction

IMF208-2F-8DI (RS-485)-P (12~48VDC) is a high performance, unmanaged, redundancy ring RS485 to fiber converter, it used in industry application. It supports point to point two fiber port backup for each other, Fiber line(Ring) transmission, supports 8 channel RS-485(RS-485 adopted 5 bits terminal block) and 2 port 100Base-FX fiber port, meantime, 2 fiber port support redundancy ring function, network fault recovery time＜20ms, it can easy and conven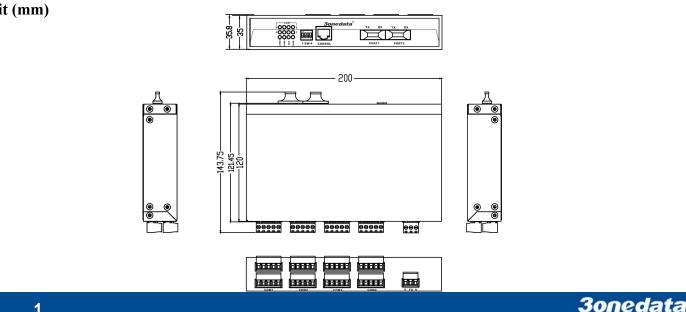ience manage the disperse serial device, main engine through serial port, take the intelligent redundancy for your network.

It has high performance exchange engine, low consumption design, 2 different type power supply input and overload current and voltage protection. It special designed for industry high available data communication in power automation, industry automation, transportation, telecommunication area etc.

It supported wall mounting and rack mount installation, easy to use for your project.

Dimension

Unit (mm)

Device running: RUN

Specification

Master/slave statues: M/S

RS-485

Optic fiber port (PORT1,PORT2) connection statues: LINK1, LINK2

Channel of RS-485: 8

Power supply

RS-485 signal: D+（A）,D-(B)

Power supply input: 12~48VDC

Parity: None, Even, Odd, Space, Mark

No-load consumption: 3.696W@24VDC

Data bits: 5bit, 6bit, 7bit, 8bit

Full-load consumption: 3.792W@24VDC

Stop bits: 1bit, 1.5bit, 2bit

Mechanical characteristic

Baud rate: 0bps～115200bps

Shell: IP30, metal case

Direction: Automatic detect data control

Installation: Wall mount or rack mount

Loading: 32 nodes

Weight: 647.4g

Transfer distance: 1200m

Dimension(L×W×H): 200mm×120mm×35mm

Protection: 1.5KVAC isolation

Environment

Connection: 5 bit terminal block

Working temperature: -40℃～75℃

Connector

Storage temperature: -40℃～85℃

RS-485: 5 bit 5.08mm separation distance terminal block

Working humidity: 5%～95%(no condensation)

Optic fiber port: 100Base-FX, SC/FC/ST optional

Standard

Transmission

Shock: IEC 60068-2-27

RS-485: 1200m

Free fall: IEC 60068-2-32

Multi-mode: 1310nm, 2Km

Shake: IEC 60068-2-6

Single mode: 1310nm, 20/40/60Km

Warranty

1550nm, 20/40/60/80/100/120Km

Warranty time: 3 years

LED indicator

Certification

COM1~COM8 running: COM1~COM8

CE, FCC, RoHS, UL508(Pending)

Ordering Information

Model name	Port type				Power supply
	100Base-FX			RS-485	
	SC	ST	FC		
IMF208-2F-8DI（RS-485）	2	-	-	8	12-48VDC/100-240VAC Optional
IMF208-2F-8DI（RS-485）	-	2	-	8	
IMF208-2F-8DI（RS-485）	-	-	2	8	

Packing List

1. Serial to fiber converter IMF208-2F-8DI(plus terminal block) ×1

2. User manual ✕ 1

3. Certificate of quality ✕ 1

4. Warranty card ✕ 1