

IMF204-2F-4DI(RS-485)

2 port 100Base-FX+4 channel RS-485 redundancy ring RS485 to fiber converter

Features

- 1.Support 4 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

IMF204-2F-4DI(RS-485) 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 4 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 convenience manage the disperse serial device, main engine through

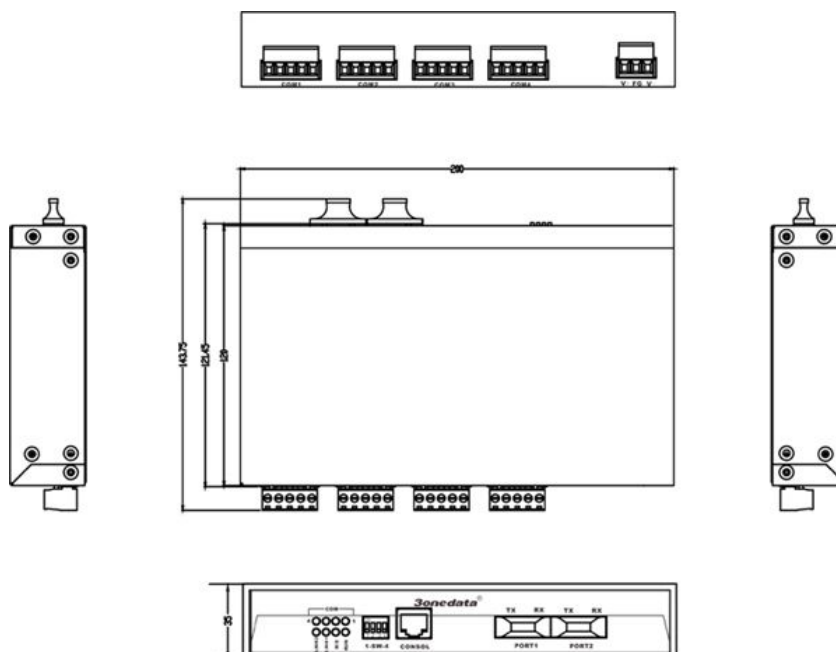
serial port, take the intelligent redundancy for your network.

It has high performance exchange engine, low consumption design, 3 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 and appearance

Unit (mm)



**Specification****RS-485**

Channel of RS-485: 4
 RS-485 signal: D+ (A) ,D-(B)
 Parity: None,Even,Odd,Space,Mark
 Data bits: 5bit,6bit,7bit,8bit
 Stop bits: 1bit,1.5bit,2bit
 Baud rate: 0bps~115200bps
 Direction: Automatic detect data control
 Loading: 32 nodes
 Transfer distance: 1200m
 Protection: 1.5KVAC isolation
 Connection: 5 bit terminal block

Connector

RS-485: 5 bit 5.08mm separation distance terminal block
 Optic fiber port: 100Base-FX, SC/FC/ST optional

Transmission

RS-485: 1200m
 Multi-mode: 1310nm, 2Km
 Single mode: 1310nm, 20/40/60Km
 1550nm, 20/40/60/80/100/120Km

LED indicator

COM1~COM4 running: COM1~COM4
 Device running: RUN

Master/slave statuses: M/S

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

Power supply

Power supply input: 12-48VDC
 No-load consumption: 2.76W@24VDC
 Full-load consumption: 2.928W@24VDC

Mechanical characteristic

Shell: IP30, metal case
 Installation: Wall mount or rack mount
 Weight: 603g
 Dimension(L×W×H): 200mm×120mm×35mm

Environment

Working temperature: -40℃-75℃
 Storage temperature: -40℃-85℃
 Working humidity: 5%~95%(no condensation)

Standard

Shock: IEC 60068-2-27
 Free fall: IEC 60068-2-32
 Shake: IEC 60068-2-6

Warranty

Warranty time: 5 years

Certification

CE, FCC, RoHS, UL508(Pending)

Ordering information

Model name	Port type			RS-485	Power supply
	100Base-FX				
	SC	ST	FC		
IMF204-2F-4DI (RS-485)	2	-	-	4	12-48VDC/100-240VAC Optional
IMF204-2F-4DI (RS-485)	-	2	-	4	
IMF204-2F-4DI (RS-485)	-	-	2	4	

Packing List

1. Serial to fiber converter IMF204-2F-4DI(plus terminal block) ×1
2. User manual × 1
3. Certificate of quality × 1
4. Warranty card × 1