



## 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°C~75°C
12. Storage temperature: -40°C~85°C



### 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

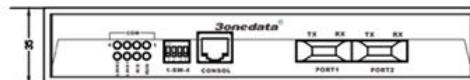
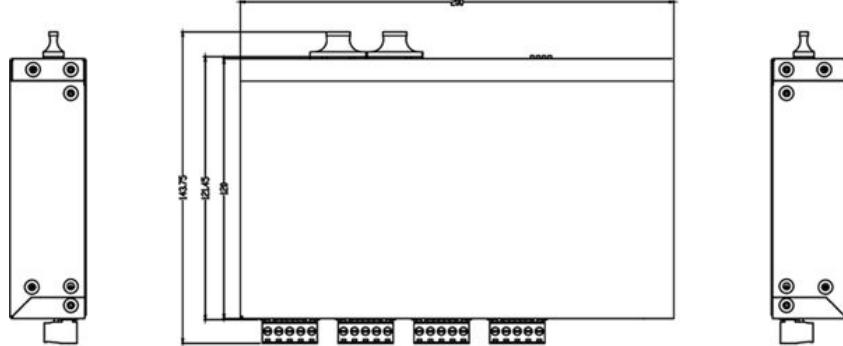
serial port, take the intelligent redundancy for your network.

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 statues: M/S

Optic fiber port (PORT1,PORT2) connection statues: 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°C-75°C

Storage temperature: -40°C-85°C

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  |    |        | Power supply                    |
|------------------------|------------|----|--------|---------------------------------|
|                        | 100Base-FX |    |        |                                 |
| SC                     | ST         | FC | RS-485 | 12-48VDC/100-240VAC<br>Optional |
| IMF204-2F-4DI (RS-485) | 2          | -  | -      |                                 |
| IMF204-2F-4DI (RS-485) | -          | 2  | -      |                                 |
| IMF204-2F-4DI (RS-485) | -          | -  | 2      |                                 |

## 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