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

4-port RS-485 to 2-port optical fiber converter

Serial to fiber converter

Features

- Support 4 channel RS-485
- Support 2 channel optical fiber
- Support dual(single) Ring line, ST/SC/FC optional
- Support Redundancy ring, recovery time＜20ms
- Support 0bps~115200bps
- Support 3 types power supply input
- Industry grade design, IP30 protection level
- No fan, low consumption design
- Working temperature: -40℃~75℃



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 optical fiber, 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 supports wall-mounted and DIN-Rail mounting, easy to use for your project.

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: SC/FC/ST optional

Transmission

RS-485: 1200m

Multi-mode: 1310nm, 2Km

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

1550nm, 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: 2.93W@24VDC

Mechanical characteristic

Shell: IP30, metal case

Installation: Wall mount or DIN-Rail 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

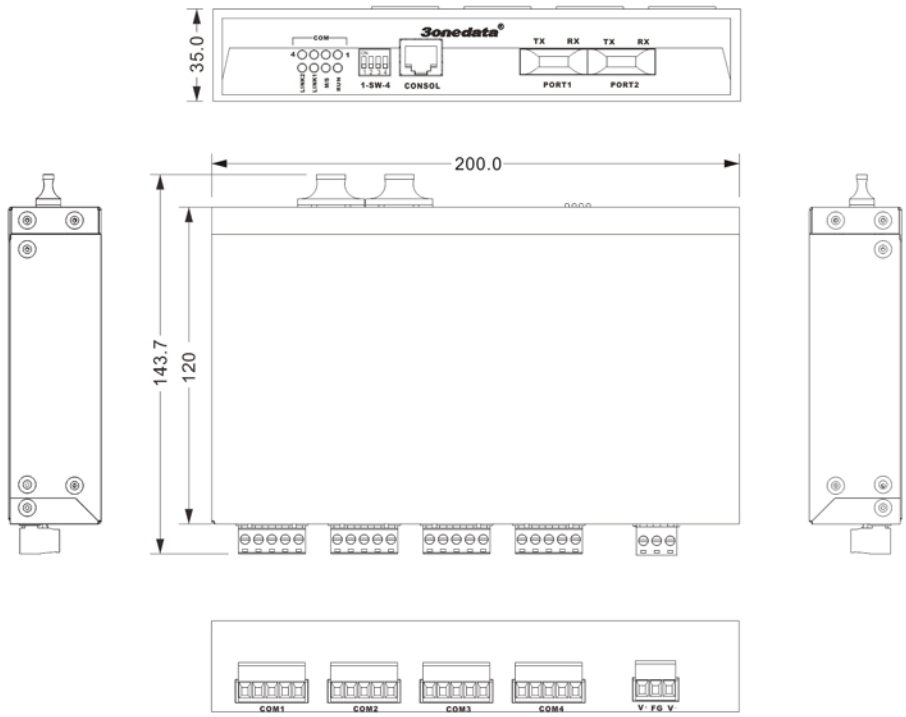
Warranty time: 3 years

Certification

CE, FCC, RoHS, UL508(Pending)

Dimension

Unit (mm)



Ordering Information

IMF204-2F (M)-4DI (RS-485): 4-port RS-485 to 2-port optical fiber converter, multi-mode SC/ST/FC, 12~48VDC, Wall mount;

IMF204-2F (S)-4DI (RS-485): 4-port RS-485 to 2-port optical fiber converter, single-mode SC/ST/FC, 12~48VDC, Wall mount;

IMF204-2F(SS)-4DI (RS-485): 4-port RS-485 to 2-port optical fiber converter, single-mode, single fiber SC/ST/FC, 12~48VDC, Wall mount;

Packing List

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