



PRODUCT DATA SHEET

NET-FIB-MM-2010

RS485 to Multi-Mode Fibre Converter Kit (2 Units)

Description

This kit provides a converter that changes the RS485 copper network to a fibre RS485 network. The kit comes with **2** converters allowing for conversion from panel 1 and back to copper at panel 2. Standard network cards are used on the fibre panel. Where network redundancy is required then an additional kit is used for the return path. The converter simply converts the voltage of the RS485 signal to a light source and back again so there are no configuration requirements required on the device itself.



Standard Features

- Support "point-to-point" mode.
- Support MM mode fiber with ST interface
- RS-485 interface
- Extend serial communication distance
- MM mode is 2km
- Serial Baud Rate: RS-485 300 to 230.4KBPS
- 1000W lightning protection for all RS485 signal line
- Small size and support DIN rail for easy installation
- Isolation protection, reduce electrical interference

Specification

Fibre

Interface:	ST
Fiber requirements:	50/125µm,100/140µm,200µm.
Transmission distance:	MM:2km
Wavelength:	MM:850 nm
Coupled Power Budget:	12.1 dB
Point to point transmission:	half-duplex and full-duplex

Serial

Connector	6-bit terminal connector for RS-485
RS-485:	485+,485-
Baud rate:	300bps ~ 250.4kbps
Lightning protection:	RS-485: each line 1000W

Physical

Shell:	steel (1 mm)
Size:	100mm × 86mm × 26 mm
Weight:	0.60kg (full package)
Operating temperature:	-20°C to 70°C
Storage temperature:	-40°C to 80°C
Working humidity:	5 ~ 95% RH
Power supply:	9-24VDC @ 250mA max
Ingress Protection:	IP30