



CCD Serial to Fibre Media Converter RS-232/485/422

The CCD-Serial-TB Series is equipped with a multiple-interface circuit that can connect RS-232, or RS-485/422 with multi-mode or single-mode fibre. It is used to extend serial transmission distances by up to 2km (multi-mode fibre) or up to 20km (single-mode fibre). The RS-232 and RS-485/422 interfaces cannot be used at the same time to convert to fibre.

The CCD-Serial-TB Series incorporates a method for automatically detecting the serial signal baud rate. This is an extremely convenient feature for the user. Even if a device's baud rate changes, the signal will still be transmitted through the RS-232 or RS-485/422 to fibre without any problems.

Specifications may vary depending on the wiring and standard used.

Features

1. Auto-Sensing Serial Signal Rate and Baud Rate
2. Zero Delay Automatic Transmission
3. 500Kbps Band Rate with RS-485/422
4. Three Serial Interfaces (RS232/485/422)
5. Multi-Mode 850nm 2km or Single-Mode 1310nm 20km

Communication

Standard	RS-232, RS-485, RS-422 Standards
RS-232 Signal	IN, OUT, GND
RS-485 Signal	D+, D-, GND
RS-422 Signal	R+, R-, T+, T-, GND
Fibre Signal	Duplex
Working Format	Asynchronism / Point to Point Multi-Point with RS-485/422
Direction Control	Auto Send Data Control Auto Distinguish Control Data Transfer Direction
Band Rate	Up to 500Kbps with RS-485/422 Auto Serial Band Rate

Fibre Wavelength	Multi-Mode 850nm, Single-Mode 1310nm
Serial Port Transmission	RS-232 port 15m, RS-485/422 port 1200m
Optical Port Transmission	Multi-Mode 2km, Single-Mode 20km
Nodes	RS-485/422 Port Supports 32 Port Loop Environments (Supports 128-Point Specialised Configuration)
Interface Protection	600W Surge Protection, 15KV Static Protection
Serial Connector	8-Point Terminal Block (Phoenix Connector)
Optical Port Connector	Multi-Mode With ST/SC Connector, Single-Mode With ST/SC Connector

Environment

Working Temperature	-25°C to 70°C
Storage Temperature	-40°C to 85°C
Humidity	5% to 95%

Power

Requirement	100-240V~ 50/60Hz to 12V DC 1A Adapter
Consumption	2W

Dimensions

L x W x H	100mm x 69mm x 22mm
Weight	230g

RCM Certification

Standards	AS/NZS 62368 and AS/NZS CISPR32
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