

Serial Fiber Optic Converter

RS-232/RS-485/RS-422 to fiber optic converter model number 168



Descriptions

The Model168 Series converter is equipped with a multiple interface circuit that can handle RS-232, or RS-422/485 serial interfaces and multi-mode or single- mode fiber. Model168converters are used to extend serial transmission distance up to 2 km (multi-mode fiber) or up to 20KM/40KM/60 km (single mode fiber). Note that the RS-232 and RS-422/485 interfaces cannot be used on the same Model168 at the same time to convert to fiber.

**Auto Baud Rate Detection:** The Model168 Series incorporates a method for automatically detecting the serial signal baud rate by hardware. This is an extremely convenient feature for the user. Even if a device's baud rate is changed, the signal will still be transmitted through the RS-232 or RS-422/485 to fiber converter without any problem.

Features

- 1.Auto sense serial signal rate, zero delay automatic transmit
- 2.500Kbps the highest rate
- 3.Supply three interface (RS232/485/422)
- 4.Multi-mode 2KM, signal-mode 20KM/40KM/60KM optional

Specifications

Standard	EIA RS-232, RS-485, RS-422 standard
RS-232 signal	IN, OUT, GND
RS-485 signal	D+, D-, GND
RS-422 signal	R+, R-, T+, T-, GND
Fiber signal	IN, OUT
Working format	Asynchronism, point to point or multi-point
Direction control	Adopt automatic send data control, auto distinguish and control data transfer direction
Band rate	0-500Kbps, auto serial band rate test
Fiber wavelength	Multi-mode 850nm, signal-mode 1310nm
Electric port transmission	RS-232 port 15M, RS-485/422 port 1200M
Optic port transmission	Multi-mode 2KM, signal-mode 20KM/40KM/60KM
Loading	RS-485/422 port Support 32 port loop environment (or hand tailor 128 point)
Interface protection	600W surge protection, 15KV static protection
Electricity connector	8 terminal block
Dimension	100mm*69mm*22mm
Input Power	5-40VAC
Consumption	2W

Model Number	Descriptions	ports
GM168MM-C	Multimode、1310、SC、5KM	RS-485/RS-422/RS-232 to Fiber
GM168MM-T	Multimode、1310、ST、5KM	RS-485/RS-422/RS-232 to Fiber
GM168SM-C20	Single mode、1310、SC、20KM	RS-485/RS-422/RS-232 to Fiber
GM168SM-C40	Single mode、1310、SC、40KM	RS-485/RS-422/RS-232 to Fiber
GM168SM-C60	Single mode、1310、SC、60KM	RS-485/RS-422/RS-232 to Fiber
GM168SM-T20	Single mode、1310、ST、20KM	RS-485/RS-422/RS-232 to Fiber
GM168SM-T40	Single mode、1310、ST、40KM	RS-485/RS-422/RS-232 to Fiber
GM168SM-T60	Single mode、1310、ST、60KM	RS-485/RS-422/RS-232 to Fiber
GM168SMB1-C20	SM Singlefiber TX1310/RX1550 SC20KM	RS-485/RS-422/RS-232 to Fiber
GM168SMB2-C20	SM Singlefiber TX1550/RX1310 SC20KM	RS-485/RS-422/RS-233 to Fiber