

Fiber Optic Modem

RS-232/RS-485/RS-422 fiber optic modem 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 |

Fiber Optic Modem

RS-232 fiber optic modem model number 218



Descriptions

The Model218 Series converter is equipped with a multiple interface circuit that can handle RS-232 serial interfaces and multi-mode or single- mode fiber. Model218 converters are used to extend serial transmission distance up to 2 km (multi-mode fiber) or up to 20,40,60km (single- mode fiber). Note that the RS-232 interfaces cannot be used on the same Model218 at the same time to convert to fiber. **Auto Baud Rate Detection:** The Model218 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 to fiber converter without any problem.

Features

- 1.Auto sense serial signal rate, zero delay automatic transmit
- 2.Support 5V Volt input, +14 or -14V Volt output, consumption 2W
- 3.Internal or external power choice.
- 4.Multi-mode 2KM, signal-mode 20KM, 40KM, 60KM optional

Specifications

| | |
|----------------------------|---|
| Standard | EIA RS-232 |
| RS-232 signal | IN, OUT, 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 | 0-120Kbps, auto serial band rate test |
| Fiber wavelength | Multi-mode 850nm, signal-mode 1310nm |
| Electric port transmission | RS-232 port 15M |
| Optic port transmission | Multi-mode 2KM, signal-mode 20KM/40KM/60KM |
| Loading | point to point |
| Interface protection | 600W surge protection, 15KV static protection |
| Electricity connector | DB-9 female |
| Dimension | 100mm*69mm*22mm |
| Input Power | 5-40VAC |
| Consumption | 2W |

| Model Number | Descriptions | ports |
|---------------|-------------------------------------|-----------------|
| GM218MM-C | Multimode、1310、SC、5KM | RS-232 to Fiber |
| GM218MM-T | Multimode、1310、ST、5KM | RS-232 to Fiber |
| GM218SM-C20 | Single mode、1310、SC、20KM | RS-232 to Fiber |
| GM218SM-C40 | Single mode、1310、SC、40KM | RS-232 to Fiber |
| GM218SM-C60 | Single mode、1310、SC、60KM | RS-232 to Fiber |
| GM218SM-T20 | Single mode、1310、ST、20KM | RS-232 to Fiber |
| GM218SM-T40 | Single mode、1310、ST、40KM | RS-232 to Fiber |
| GM218SM-T60 | Single mode、1310、ST、60KM | RS-232 to Fiber |
| GM218SMB1-C20 | SM Singlefiber TX1310/RX1550 SC20KM | RS-232 to Fiber |
| GM218SMB2-C20 | SM Singlefiber TX1550/RX1310 SC20KM | RS-232 to Fiber |

Fiber Optic Modem

RS-485/RS-422 fiber optic modem model number 268



Descriptions

The Model268 Series converter is equipped with a multiple interface circuit that can handle RS-422/485 serial interfaces and multi-mode or single- mode fiber. Model268 converters are used to extend serial transmission distance up to 2 km (multi-mode fiber) or up to 20, 40, 60km (single- mode fiber). Note that the RS-422/485 interfaces cannot be used on the same Model268 at the same time to convert to fiber.

Auto Baud Rate Detection: The Model268 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-422/485 to fiber converter without any problem.

Features

- 1.Auto sense serial signal rate, zero delay automatic transmit
- 2.Adopt automatic send data control, auto distinguish and control data transfer direction
- 3.0-120Kbps the highest rate
- 4.Supply two interface (RS485/422)
- 5.Multi-mode 2KM, signal-mode 20KM, 40KM, 60KM

Specifications

| | |
|----------------------------|---|
| Standard | EIA RS-485, RS-422 standard |
| 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 | 0-120Kbps, auto serial band rate test |
| Fiber wavelength | Multi-mode 850nm, signal-mode 1310nm |
| Electric port transmission | 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 | 5 terminal block |
| Dimension | 100mm*69mm*22mm |
| Input Power | 5-40VAC |
| Consumption | 2W |

| Model Number | Descriptions | ports |
|---------------|-------------------------------------|------------------------|
| GM268MM-T | Multimode、1310、ST、5KM | RS-485/RS-422 to Fiber |
| GM268SM-C20 | Single mode、1310、SC、20KM | RS-485/RS-422 to Fiber |
| GM268SM-C40 | Single mode、1310、SC、40KM | RS-485/RS-422 to Fiber |
| GM268SM-C60 | Single mode、1310、SC、60KM | RS-485/RS-422 to Fiber |
| GM268SM-T20 | Single mode、1310、ST、20KM | RS-485/RS-422 to Fiber |
| GM268SM-T40 | Single mode、1310、ST、40KM | RS-485/RS-422 to Fiber |
| GM268SM-T60 | Single mode、1310、ST、60KM | RS-485/RS-422 to Fiber |
| GM268SMB1-C20 | SM Singlefiber TX1310/RX1550 SC20KM | RS-485/RS-422 to Fiber |
| GM268SMB2-C20 | SM Singlefiber TX1550/RX1310 SC20KM | RS-485/RS-422 to Fiber |

Fiber Optic Modem**E1 Fiber Optic Modem****Descriptions**

E1 Fiber Optic Modem converts E1 electrical signal into optical data stream for transport over single mode or multimode fiber optic cables. At the opposite end of the fiber, the optical stream is converted back into electrical signals of the appropriate interface such as G.703 & V.35. This fiber optic modem extends the transmission distance up to more than 100Km.

Features

Special two row indicator (upper row indicate local, and lower row indicate remote)

Based on self-copyright IC, and software content is high

Realizes random time-slot choice, compose N x 64K (N=1~32) channel

Provides 3 type loop functions: local (ANA), loop to remote (DIG), command loop (REM)

PBRS code testing function, convenient for installation and test devices

Remote rate adjustment to remote device (in primary clock status) when local terminal is in primary clock status

E1 fiber modem can use with V.35 fiber modem that can save a G.703/V.35 converter

Power: AC 85V - AC 275V or DC±48V

For detailed inquiry please contact our sales team at: sales@HuihongFiber.com .

Fiber Optic Modem**V.35 Fiber Optic Modem****Descriptions**

V.35 fiber optic Modem is a kind of communication equipment to transmit one channel of V.35 data over a pair of fibers. It uses ASIC chip, adopts modular structure inside, integrates the functions of coding, decoding, information insertion, and alarm switchover,. Therefore its circuit is simple, structure is compact and power consumption is low. It is widely used in the occasions that require high reliability and complete auxiliary functions.

Features

- Providing one optical port, supporting point-to-point connection in pairs or connection to E1 fiber optic Modem;
- Providing one V.35 port, with the rate of $N \times 64$ Kb/s ($N = 1-32$), adjustable
- Providing three timing modes: master timing, tracing V.35 port, and tracing optical port
- Supporting automatic tracing function of remote timeslot bandwidth
- Providing auto-sensation between the receive clock and data phase at V.35 port
- Supporting multiple loopback functions and bit error of internal link test function, facilitating engineering commissioning
- Providing the remote electrical outage detection function, which can tell whether it is fiber cut or the remote electrical outage
- Rich panel display enables the user easy to identify the fault
- Two optional power supplies: AC and DC
- AC 220V (175V -265V)
- DC -48V (-36V -- -72V)
- Power consumption (5W)

For detailed inquiry please contact our sales team at: sales@HuihongFiber.com .