



Optic fiber MODEN

MODEL 168(BI Series)

RS-232/485/422 serial



Description

The multi-functional 168 optical modem supports asynchronous communication interfaces such as RS-232, RS-422, and RS-485.

168 is the optimal choice to link remote terminal unit (RTU) to HOST or SCADA controller. The product adopts optical fiber as the transmission medium thus enhances the systematic transmission performance. The threats of thunderstroke, surge and electromagnetic interference on communication equipment under harsh environment can be effectively avoided.

Features

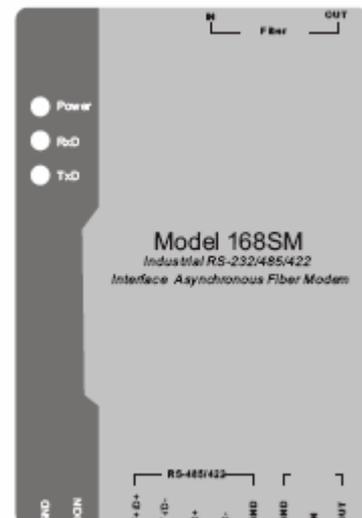
- Support point-to-point connection or loop connection.
- Support various asynchronous communication protocols such as RS-232, RS-422, RS-485, simultaneous use of two interfaces of RS-232, RS-422, RS-485 available.
- Support two threads (half duplex) and four threads (full duplex) RS-485 operation modes.
- Communication speed is up to 460Kbps.
- Support master-slave operation mode; slave operation mode can be used as repeater.
- Via CE, ROHS, FCC Certification

Technical parameter

- Electrical standard : RS-232 , RS-422 , RS-485
- Electrical interface : Terminal
- Optical interface: ST/FC/SC
- Optical wavelength : 1310nm / 1550nm
- Transmission rate: 0.3 ~1152 kbps
- Transmission mode: full duplex/ half duplex

LED display

- TXD: indicator lamp for optical data transmitting
- RXD: indicator lamp for optical data receiving
- POW: power indicator lamp





Interface configuration

- one phoenix interface
- one ST/FC/SC Multi-mode/ Single-mode duplex connector

Interface	
Power end	
GND	Power ground
DCIN	5~24V power in
RS-422 end	
T+	RS-422 transmission +
T-	RS-422 transmission -
R+	RS-422 receive +
R-	RS-422 receive -
GND	RS-422 ground
RS-485 end	
D+	RS-485 data +
D-	RS-485 data -
GND	RS-485 ground
RS-232 end	
IN	RS-232 input
OUT	RS-232 output
GND	RS-232 ground
Fiber end	
IN	Fiber transmission
OUT	Fiber receive

Environmental requirement:

- Power requirement: DC9V 200Am
- Operating temperature range: 0 ~50
- Storage temperature range: -40 ~85
- Relative humidity: 5%~90%
- Outside dimension: 137mm×78mm×25mm