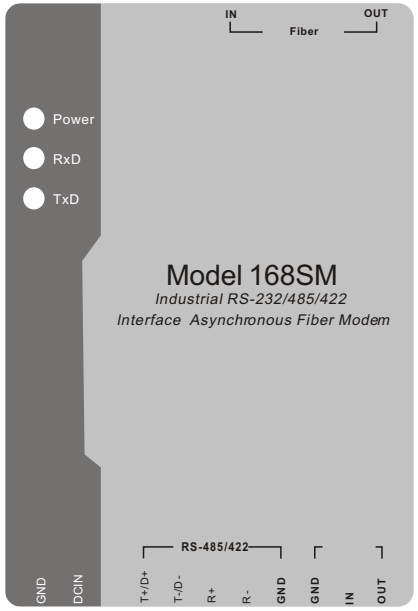
MODEL 168 RS-232/485/422 serial optic fiber MODEM

1. Summarize

Model 168 is a sort of more function and economy RS-232/485/422 interface optic fiber MODEM. It is the best choice to connect RTU to HOST or SCADA controller. It used Optic fiber as transfer medium, increase the transfer function of system. Communication equipment abstain menace effective to lightning strike, surge, electromagnetism disturb under the scurviness environment.



2. Function and Characteristic

a) Support RS-232/RS-485/RS-422 interface

b) Asynchronous, point to point, rate up to 120Kbps

c) Support 9V-40V power input, consumption 2W

d) 1500W surge protection, 15KV static protection

e) RS-485/422 port support 32 node (can choice handtailor 128 Node)

f) Working wavelength: 850nm(multi-mode)
1310nm(single mode)

g) Auto test signal rate, zero delay auto transmit.

3. Performance guideline

Interface: support EIA RS-232, 485, 422 standard

Rate: 0-500Kbps

Transmit distance: RS-232 port 15m,
RS-485/422 port 1500m, optical port multi-mode 2KM, single-mode20KM

Working environment: -25℃ to 70℃

4. Appearance guideline

Interface type: 8 bit terminal block, multi-mode choice ST/
SC/FC interface, single-mode choice FC/SC/ST interface

L*W*H: 100mm*69mm*22mm

Shell: Iron

Colour: White

Weight: 230g

5. Pin define

Power interface

GND —— Ground

DCIN —— 9-40V input

Optical fiber interface

IN —— Optical fiber input

OUT —— Optical fiber output

RS-485/422 port

T+/D+ —— RS-422 Send +/ RS-485 +

T- /D- —— RS-422 Send -/RS-485 -

R+ —— RS-422 Received +

R- —— RS-422 Received -

GND —— Ground

RS-232 port

IN —— RS-232 input

OUT —— RS-232 output

GND —— Ground

6. Indicator light explain

Power: Power indication

RxD: Optical fiber interface receive indication

TxD: Optical fiber interface send indication

7. Application