



Serial to Fiber Converters

MW10F Series

◆ RS-232 to Fiber Converter

➤ Features

- Extend RS-232 transmission up to 120Km with single-mode
- Transmit asynchronously, point to point, speed reach 120Kbps
- Plug-and-Play(hot-pluggable, data format auto-sensing & self-adjusting)
- 600W surge protection,15KV ESD protection
- Power External 5VDC



➤ Introduction



MW10F is one kind can offer RS-232 serial port carry transparent optic fiber modem of transmission to get end to user, it is the best choice to connect RTU to HOST or SCADA controller. MW10F adopt optic fiber transmit, have isolate protection, data privacy is fine, working steady, data, such threats to communication equipment as the wave is welled up and interfered with electromagnetically that the effective one has prevented the abominable environment from being struck by lightning, can work in the abominable and dangerous environment reliably.

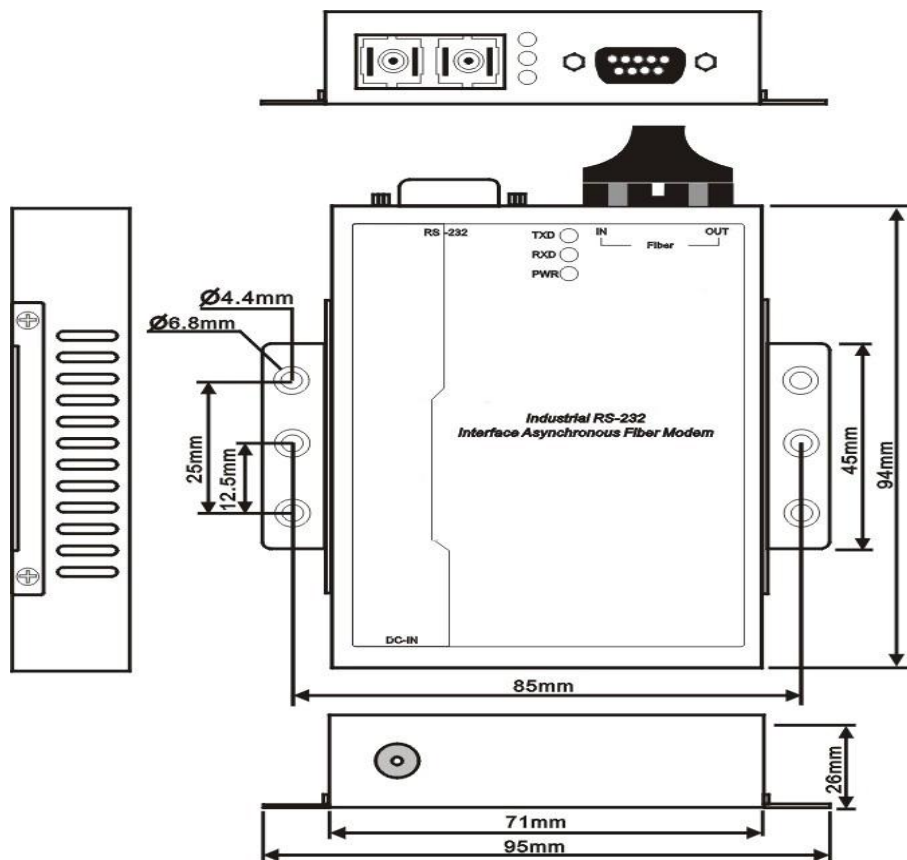
Can be used in occasions such as various industrial control, course controlling, traffic controlling and intellectual district , especially suit the bank, electricity and interfering with environment department and system with the special requirement electromagnetically.

➤ Specification

Standards	EIA RS-232C standard
RS-232 signal	OUT(TX), IN(RX), GND
Baud rate	0~115.2Kbps, auto test serial signal rate detect signal speed automatically, zero delay time
Transfer distance	no less than 5m
Port protect	600W surge protection,15KV ESD protection
Optic Fiber	
Connectors	SC, FC or ST, optional
Fiber optic cables	Single Mode:8.3/125,8.7/125,9/125 or 10/125 um,Muti-Mode:50/125,62.5/125 or 100/125 um
Transmission	20, 40,60,80, 100, 120km(SM), 2 km(MM) optional
Wavelength	850nm, 1310nm,1550nm
Power	
Power input	Power External 5VDC
Consumption	120mA
Environment	
Operating temperature	-10 ℃ to 60 ℃
Storage temperature	-40 ℃ to 85 ℃
Humidity	5% to 95%(no condensation)
Appearance	
Dimensions	94.0×71.0×26.0mm(power external)
Material	Iron(shell)

Color	White
Weight	230g(power external), 260g(power internal)
Warranty	5 years
Approvals	FCC, CE, RoHS approvals

➤ Dimension



➤ Ordering Information

UPCOM Serial Converters

MW X X- X X X X

Fiber Port: SC ST
 Distance: (10, 20, 40, 60, 80, 100, 120KM)
 (D)—Dual (S)—Single
 (M)— MultiMode (S)—SingleMode
 F: to Fiber
 10: RS232
 20: RS422
 30: RS485
 40: RS485/422
 50: RS232/422/485
 C: CAN
 Manufacturer

Model NO.	Description
MW10F-M	multi-mode, 2Km, 5VDC, SC, FC or ST optional
MW10F-S-20	single-mode, 20Km, 5VDC, SC, FC or ST optional
MW10F-S-40	single-mode, 40Km, 5VDC, SC, FC or ST optional
MW10F-S-60	single-mode, 60Km, 5VDC, SC, FC or ST optional
MW10F-S-80	single-mode, 80Km, 5VDC, SC, FC or ST optional
MW10F-S-100	single-mode, 100Km, 5VDC, SC, FC or ST optional
MW10F-S-120	single-mode, 120Km, 5VDC, SC, FC or ST optional
MW10F-SS-20	single-mode, single fiber, 20Km, 5VDC, SC, FC or ST, optional
MW10F-SS-40	single-mode, single fiber, 40Km, 5VDC, SC, FC or ST, optional
MW10F-SS-60	single-mode, single fiber, 60Km, 5VDC, SC, FC or ST, optional
MW10F-SS-80	single-mode, single fiber, 80Km, 5VDC, SC, FC or ST, optional

➤ Packing List

- MW10F series Fiber Converter ×1
- 5VDC power adapter × 1 (for power external fiber converter)
- User manual ×1