



Serial to Fiber Converters

MW50F Series

◆ RS-232/485/422 to Fiber Converter

➤ Features

- Extend RS-232/485/422 transmission up to 120Km with single-mode
- Transmit asynchronously, point to point, speed reach 500Kbps
- Examine signal speed automatically, zero delay time
- Plug-and-Play(hot-pluggable, data format auto-sensing & self-adjusting)
- Support RS-232/485/422 interface type, but only one RS-232/ RS-485/ RS-422 port can be connected at a given time
- 9~36VDC power supply input(2 bit terminal block)



➤ Introduction

MW50F is one kind can offer RS-232/485/422 serial port carry transparent optic fiber modem of transmission to get end to user, no need patch cords set up, switch over automatically, and can detect and examine the signal speed automatically, zero delays time to transmit automatically. MW50F 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.

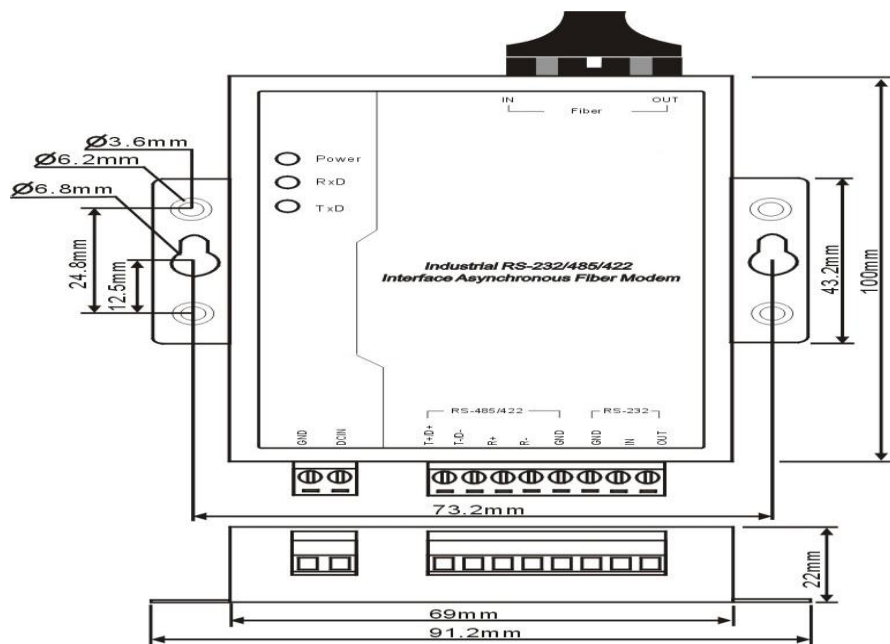
Can be used in occasions such as various industrial control, course controlling, traffic controlling and intellectual district , especially suit the bank, electricity and interfering with environment department and system with the special requirement electromagnetically.

➤ Specification

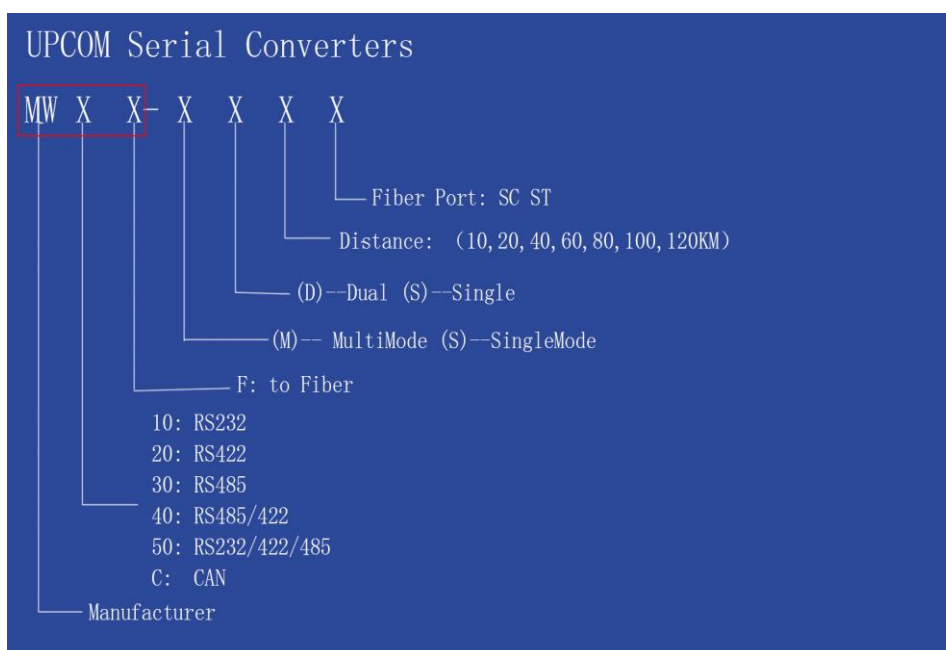
Technology	
Standards	EIA RS-232C, RS-485, RS422 standard
RS-232 signal	OUT(TX), IN(RX), GND
RS-422 signal	T+, T-, R+, R-, GND
RS-485 signal	D+, D-, GND
Working mode	Asynchronism, point to point or multi point, 2 wire half-duplex, 4 wire full duplex
Baud rate	0~115.2Kbps, auto test serial signal rate detect signal speed automatically, zero delay time
Transfer distance	RS-485/422 side, 1.2Km(9600bps), RS-232 side, no less than 5m
Max number of drops	128 nodes(RS-485/422)
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), 2km(MM) optional
Wavelength	850nm, 1310nm, 1550nm
Power	
Power input	9~36VDC power input(2 bit terminal block)
Consumption	120mA
Environment	

Operating temperature	-10 ℃ to 60 ℃
Storage temperature	-40 ℃ to 85 ℃
Humidity	5% to 95%(no condensation)
Appearance	
Dimensions	100.0mm ×69.0mm ×22.0mm
Material	Iron(shell)
Color	White
Weight	230g
Warranty	5 years
Approvals	FCC, CE, RoHS approvals

➤ Dimension



➤ Ordering Information



Model NO.	Description
MW50F-M	multi-mode, 2Km, 9V-36VDC, SC, FC or ST, optional
MW50F-S-20	single-mode, 20Km, 9V-36VDC, SC, FC or ST, optional
MW50F-S/40	single-mode, 40Km, 9V-36VDC, SC, FC or ST, optional
MW50F-S/60	single-mode, 60Km, 9V-36VDC, SC, FC or ST, optional
MW50F-S/80	single-mode, 80Km, 9V-36VDC, SC, FC or ST, optional
MW50F-S/100	single-mode, 100Km, 9V-36VDC, SC, FC or ST, optional
MW50F-S/120	single-mode, 120Km, 9V-36VDC, SC, FC or ST, optional
MW50F-SS/20	single-mode, single fiber, 20Km, 9V-36VDC, SC, FC or ST, optional
MW50F-SS/40	single-mode, single fiber, 40Km, 9V-36VDC, SC, FC or ST, optional
MW50F-SS/60	single-mode, single fiber, 60Km, 9V-36VDC, SC, FC or ST, optional
MW50F-SS/80	single-mode, single fiber, 80Km, 9V-36VDC, SC, FC or ST, optional

➤ Packing List

- MW50F series Fiber Converter×1
- User manual ×1