RS-232/RS-485/RS-422 Converters   MW1040-I

◆ **Port-powered RS-232 to RS-485 Converter**

➢ Features

● Optical isolation effectively protects RS-232/RS-485 devices from transient surges, ground loop, and remote lightning
● Plug-and-Play (Device is hot-pluggable, Data format Auto-sensing & Self-adjusting)
● Maximum baud rate 38400bps, 1200m(9600bps)
● Port-powered, no external power or TXD, RTS, DTR required
● Data direction auto-turnaround, no flow control is required
● 2500V isolation, no power supply needed

➢ Introduction

The MW1040-I is an industrial grade bi-directional port-powered 2500V opto-isolated RS232 to RS485 converter in a 9 pin format. It can convert any standard full duplex RS232C port to any two-wire balanced half duplex RS485 port. In simple terms, it will convert any RS232 signal to a RS485 signal and vice versa. The unit is powered from the RS232 data lines. It also supports data direction auto-turnaround. Therefore, no external power or flow control is required. The data direction auto-turnaround automatically enables the RS485 driver when data is present on the RS232 side making the device plug-and-play, requiring no software drivers. The SW485WA has a DB9 female connector on the RS232 side and either a DB9 male connector or 3 bit terminal block on the RS485 side.
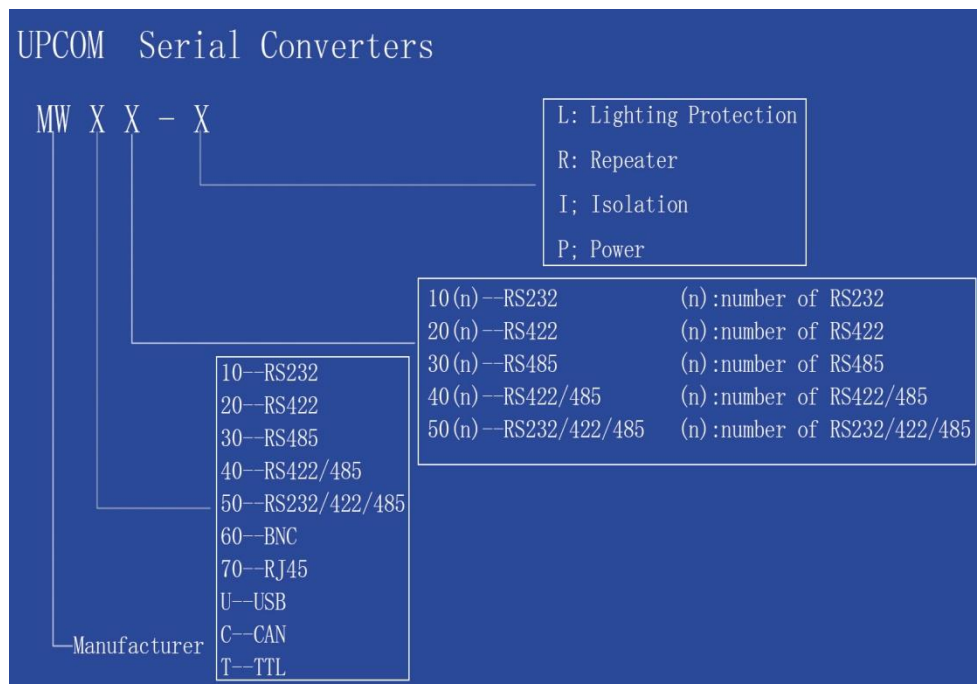
➢ Specification

Technology	
Standards	EIA RS-232C, RS-485, RS-422 standard
RS-232 signal	TX, RX, GND
RS-485 signal	D+, D-, GND
Working mode	Asynchronism, point to point or multi point, 2 wire half-duplex
Baud rate	300~115200bps, auto test serial signal rate detect signal speed ,utomatically, zero delay time
Flow control	Data direction auto-turnaround, no flow control is required
Transfer distance	
RS-485 side	1.2Km, 9600bps
RS-232 side	no less than 5m
Max number of drops	128 nodes
Optical isolation	2500V
Port protect	1500W surge protection, 15KV ESD protection
Connector	RS-232 side DB9 female,RS-485 side DB9M(DB9F to 3 bit terminal block)
Power	
Power input	No power supply need, powered from TXD, RTS,DTR
Consumption	Static less than 10mA, dynamic less than 40mA
Environment	
Operating temperature	-10℃ to 60℃

Storage temperature	-40 ℃ to 85 ℃
Humidity	5% to 95%(no condensation)
Appearance	
Dimensions	95.0mm×33.0mm×16.5mm
Material	Plastic(shell)
Weight	50g
Warranty	5 years
Approvals	FCC,CE,RoHS approvals

➢ **Dimension**

➢ **Ordering Information**

➢ **Packing List**

● MW1040-I ×1

● User manual ×1