



◆ CAN to RS-232 Converter

➤ Features

- Achieve CAN-bus and RS-232 bi-directional data communication
- Support CAN2.0A and CAN2.0B protocol, ISO/DIS 11898 standard
- Integrate 1 port CAN-bus, support user-defined baud rate
- Integrate 1 port 3-wire RS-232, the communication speed between 300~115200bps
- CAN port baud rate is 2.5k~1Mbps
- Provide 3 kinds of data conversion modes: transparent conversion, transparent conversion with logo, Modbus protocol conversion
- CAN-bus circuit adopts AC 2000V electrical isolation, supports 8KV ESD protection (air discharge)
- The highest Frame Flow: 500 frames/second
- DC9~48V wide voltage power input, the power supports non-polarity
- IP40 protection, high-strength mental shell, DIN-Rail and wall mounting installation
- Working Temperature: -40~85°C



➤ Introduction

MW10C is one kind serial converter used for data exchange between the CAN-bus and RS-232, it also supports Modbus RTU protocol.

MW10C integrates an RS-232 channel, a CAN-bus channel, it can be easily embedded in the nodes which use RS-232 interface for communication. On the premise of not changing the original hardware structure, MW10C makes the device get the CAN-bus communication port, realize the connection and data communication between the RS-232 devices and the network of CAN-bus. The RS-232 channel of MW10C supports varieties of baud rate, the range is 300bps~115200bps. CAN-bus channel supports varieties of standard communication baud rate and user-defined baud rate recommended by CiA, the range is 2.5Kbps~1Mbps. MW10C provides 3 kinds of data conversion modes --- transparent conversion, transparent conversion with logo and Modbus protocol.

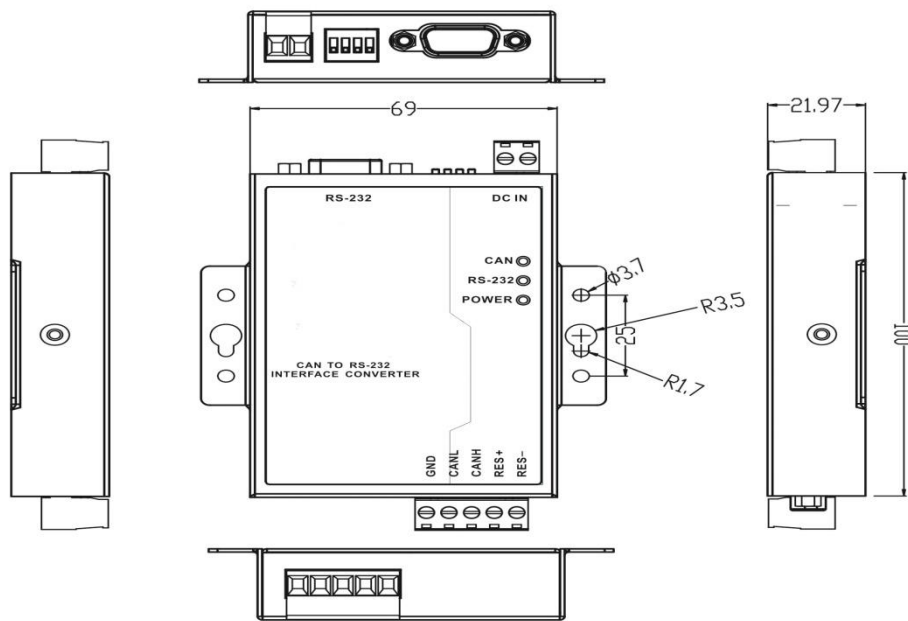
Its appearance design supports Din-rail installation and wall mounting, easy to use in the project. The board has photoelectric isolation module itself, the control circuit and CAN-bus communication circuit are completely electrical isolation, which makes MW10C converter has strong anti-jamming capability so that the reliability of the system used in the harsh environment has greatly improved.

➤ Specification

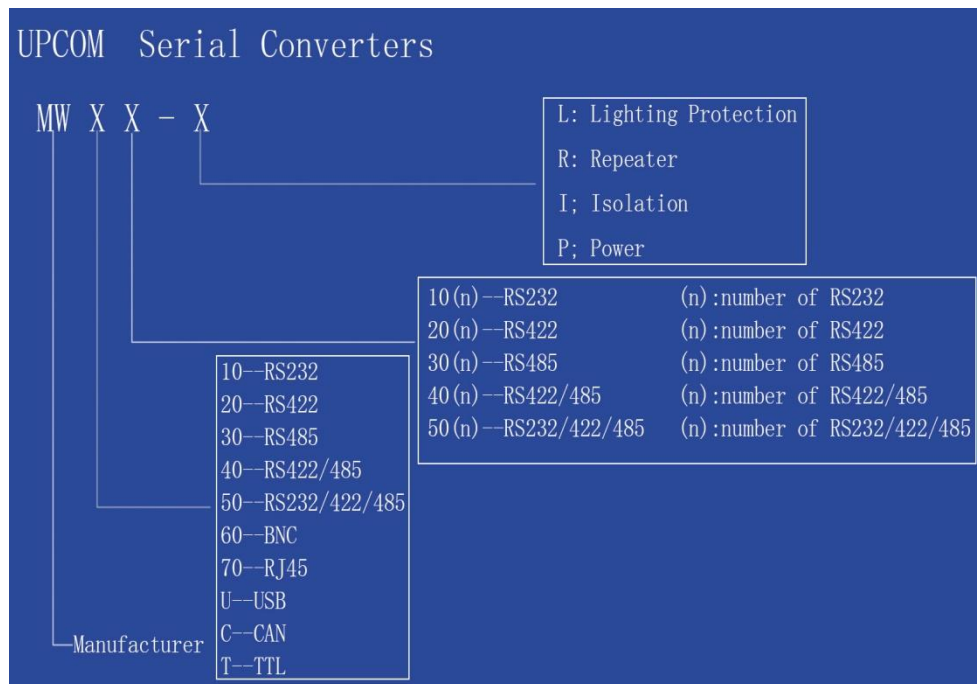
Interface	
Standard	RS-232
RS-232 Signal	TXD, RXD, GND
Check	None, Even, Odd, Space, Mark
Data bits	8bit

Stop bits	1bit, 2bit
Baud rate	300bps—115200bps
Interface type	RS-232 terminal adopts DB9 female
CAN Interface	
Standard	CAN2.0A, CAN2.0B
CAN signal	GND, CANL, CANH, RES+, RES-
Baud rate	2.5K~1Mbps
Transmission Distance	
RS-232 serial cable	15m
CAN port	40m-10Km
Indicator	
CAN port indicator	CAN
Serial indicator	RS-232
Power indicator	POWER
Power	
Input Voltage	9VDC (9~48VDC)
Access terminal	2 cores, 5.08mm between terminals
No-load Power	0.873W@9VDC
Full Power	0.864W@9VDC
Power supports non-polarity	
Mechanical Structure	
Shell	IP40 protection grade, high-strength metal Casing
Installation	Wall-mount and Panel-mount
Weight	238g
Working Environment	
Working Temperature	-40~85℃
Storage Temperature	-40~85℃
Humidity	5%~95%(no condensation)
Industry Standard	
EMI	FCC Part 15, CISPR (EN55022) class A
EMS	EN61000-4-2 (ESD) , Level 3
Shock	IEC 60068-2-27
Free Fall	IEC 60068-2-32
Shake	IEC 60068-2-6
Warranty period	5 years
Approvals	CE, FCC, RoHS, UL508

➤ Dimension



➤ Ordering Information



➤ Packing List

- MW10C x1
- User manual x1