SMART CONVERTER

RS232/422/485 ⇆ CAN BUS

CR225

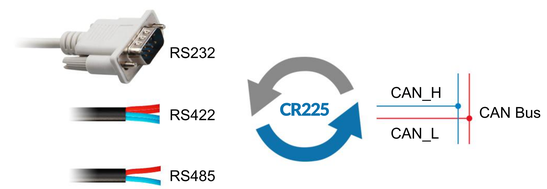
The smart converter which can be easily read the CAN Bus data through RS232, RS422 and RS485. It supports baud rates from 2400 to 921600 bps for series port and baud rates from 10K-1Mbps for CAN Bus data transfer. Moreover, the device comes with 3500Vrms isolation voltage and ±8KV anti-static grade. Therefore, it can working in extreme environments.

Technical Features

The converter is not only focused on its technical details, but also the best choice in terms of safety. Excellent performance of protection creates a safe and stronge bridge between devices.

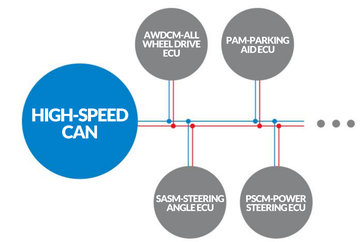
Data Conversion

It is a programmable module for communication between RS232/422/485 and CAN Bus. The operation mode of converter can be set via programmable software.



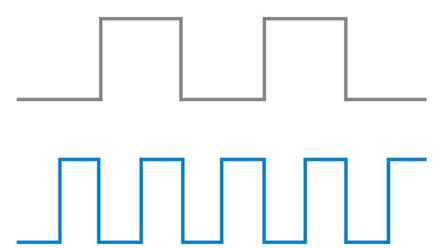
High-Speed CAN Channel

CAN protocol is compliant with CAN specifications 2.0A/B. High-Speed CAN channel (ISO11898-1/2) with bit rates from 10K up to 1M bps.



Baud Rate Programmable

Supports baud rates from 2400 to 921600 bps for series port and baud rates from 10K-1Mbps for CAN Bus.

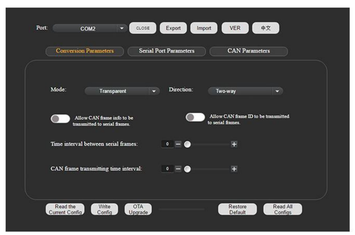


3500 Vrms Isolation

There is 3500Vrms isolation on CAN port and ESD protection rating of ±8KV can be achieved. so that it can be used in more extreme environments where safety is required.

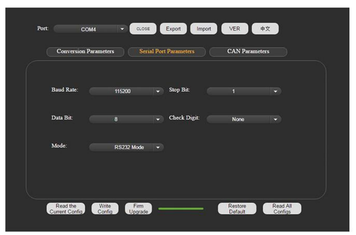
Programmable Software

There are many communication parameters of CAN Bus and RS232/485/422 ports. The converter opens most of the parameters, which can be set by users to meet the needs of practical applications.



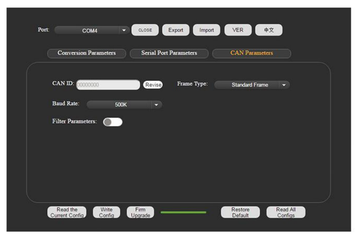
Conversion Parameters

It is mainly used to set conversion method between CAN Bus and serial ports, e.g. the conversion modes, the directions of conversion.



Serial Port Parameters

The parameters of serial port can be modified via this interface, for example. Baud Rate, Stop Bit, Data Bit and so on.



CAN Parameters

The parameters of CAN Bus can be modified via this interface, for example. CAN ID, Frame Type, Baud Rate and so on.

Applications

CAN Bus and RS232/422/485 are widely used between devices that require real-time data transfer for supervision and control purposes. However, sometimes these devices do not have the same type of ports and communication protocols. Therefore, a smart converter is necessary for comunication.

Vehicle Inspection

Intelligent Plant

Medical Treatment

Specifications

Model	CR225
CAN channels	1 channel
CAN baud rate	10k-1Mbps
Serial ports	RS232/485/422 software selection
Baud rate of serial ports	2400-921600bps
Configured interface	RS232
Data reception capability	1200 frames/second
Data transmission	1200 frames/second
Interface card format conversion	Supported
Transparent conversion	Supported
Transparent mark-borne conversion	Supported
120ohm terminal resistor	External
ESD	±8KV
Operating temperature	-40°C ~ 85°C
Supply voltage	DC 9-36V
Material	Metal housing
Dimension	104mm*75.5mm*24.5mm

Frame Bracket

12V DC Power Adaptor

Power Cable

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