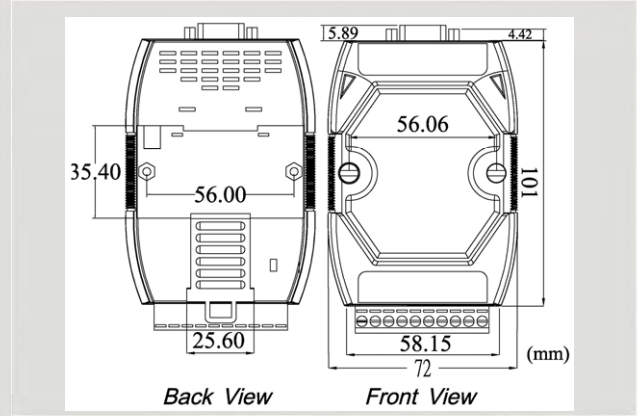




Intelligent RS-232/485/422 to CAN Converter



I-7530A



Dimensions

The I-7530A is designed to unleash the power of CAN bus via RS-232/485/422 communication method. It accurately converts messages between CAN and RS-232/485/422 networks. This module let you communicate with CAN devices easily from any PC or devices with RS-232/485/422 interface. The programmable RS-232/485/422 device (For example: PC, PLC or PAC) can use the serial port to connect to the CAN network via the I-7530A.

Features

- Compatible with CAN specification 2.0A and B
- Fully compatible with ISO 11898-2 standard
- Support various bauds from 10 kbps to 1 M bps
- Jumper for 120 Ω terminator resistor
- Software configurable CAN and RS-232/RS-422/RS-485 communication parameters
- 1000 frames in CAN received buffer, 900 frames in RS-232/RS-422/RS-485 received buffer
- Watchdog inside
- Provide the transparent communication between the RS-232/RS-485/RS-422 devices via CAN bus
- Enable different RS-232/RS-485/RS-422 devices into an individual group in CAN bus network (Full-duplex communication mode of RS-232/RS-422 devices is not supported)

- CAN 2.0A or 2.0B specific selection
- Serial COM baud rate and data bit setting
- Serial COM command error response selection
- Utility tool for transmitting / receiving CAN messages

CAN Monitor & Data log Tools

- Show CAN messages by hex or decimal format
- CAN messages with timestamp
- Easy-to-use data logger for the diagnosis of the CAN networks and recording of the received data
- Send the predefined CAN messages manually or cyclically

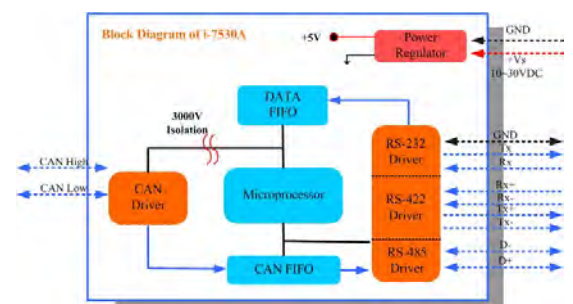


Utility Features



- CAN bus baud rate configuration
- CAN acceptance filter configuration

Block Diagram





Hardware Specifications

CAN Interface	
Controller	Microprocessor inside with 20MHz
Transceiver	NXP 82C250
Channel number	1
Connector	9-pin male D-Sub (CAN_L, CAN_SHLD, CAN_H, N/A for others)
Baud Rate (bps)	10 k, 20 k, 50 k, 125 k, 250 k, 500 k, 800 k, 1 M
Transmission Distance (m)	Depend on baud rate (for example, max. 1000 m at 50 kbps)
Isolation	3000 V _{DC} for DC-to-DC, 2500 Vrms for photo-couple
Terminator Resistor	Jumper for 120 Ω terminator resistor
Specification	ISO-11898-2, CAN 2.0A and CAN 2.0B
UART Interface	
COM	RS-232/RS-422/RS-485 (can't be used simultaneously)
COM Connector	3-pin screwed terminal block (RxD, TxD, GND) 4-pin screwed terminal block (RxD+, RxD-, TxD+, TxD-) 2-pin screwed terminal block (DATA+, DATA-)
Baud Rate (bps)	110, 150, 300, 600, 1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200
Data bit	5, 6, 7, 8
Stop bit	1, 2
Parity	None, Even, Odd
LED	
Round LED	ON LED, ERR LED
Power	
Protection	Power reverse polarity protection, Over-voltage brown-out protection
Power Consumption	1 W
Mechanism	
Installation	DIN-Rail
Dimensions	72mm x 33mm x 118mm (W x L x H)
Environment	
Operating Temp.	-25 ~ 75 °C
Storage Temp.	-40 ~ 80 °C
Humidity	5 ~ 95% RH, non-condensing

Pin Assignments



Terminal	RS-232/485/422
1	(Y)DATA+ (RS-485)
2	(G)DATA- (RS-485)
3	Not Connect
4	Tx+ (RS-422)
5	Tx- (RS-422)
6	Rx+ (RS-422)
7	Rx- (RS-422)
8	Not Connect
9	RXD (RS-232)
10	TXD (RS-232)
11	(B)GND (RS-232)
12	Not Connect
13	+Vs (Power)
14	(B)GND (Power)

Terminal	2-wire CAN
1	Not Connect
2	CAN Low
3	
4	
5	Not Connect
6	
7	CAN High
8	
9	Not Connect

Ordering Information

I-7530A-G CR

Intelligent RS-232/RS-485/RS-422 to CAN Converter (RoHS)

Art. No. 119111