Model:UT-2506A

RS-232/485 to CANBUS Converter

Datasheet

1. Overview

UT-2506A is a high performance RS-232/485 to CAN-Bus converter. It supports interconnection between RS-232/485 and CAN-Bus. RS-232/485 baud rate is 1,200-115,200bps, and CAN-bus baud rate is 5kbps-1Mbps.The converter supports three data conversion modes: transparent conversion, transparent tape identification conversion and Modbus protocol conversion. This extends the application scope of this converter. UT-2506A converter provides configuration tools that allow users to set the interface parameters. It is industrial standard design; CAN communication interface and system is isolated; with anti-interference and surge protection ability, it is widely used in industrial control, data communication systems.

2. Technical Parameters

● Supports bidirectional data transmission between CAN-bus & RS-232/485

● Supports CAN 2.0 protocol

● 1-ch CAN-bus interface, 5Kbps-1Mbps transmission rate

● 1-ch RS-232/485 interface, 600bps-230Kbps transmission rate

● Provides 3 data conversion mode: transparent conversion, transparent tape identification conversion, Modbus protocol conversion

● Working voltage: 12-36V DC

● Working current: ≤150mA@12V

● Working temperature: -40~ 85℃

● Storage temperature: -40~ 85℃

● Relative Humidity: 5% to 95%(non-condensing)

● Storage humidity: 5% to 95%(non-condensing)

● Isolated voltage: 1,000VDC

3. Indicator

PWR: Red, power indicator, it is on while the power is normal

232TX: Green, it is flashing while the serial port sending data; it is off while finish sending.
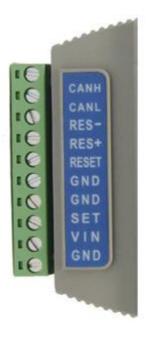
232RX: Yellow, it is flashing while the serial port receiving data; it is off while finish receiving.

CANTX: Green, it is flashing while CAN port sending data; it is off while finish sending.

CANRX: Yellow, it is flashing while CAN port receiving data; it is off while finish receiving.

4. Pin assignment

CAN definition

PIN No	PIN Name	Description
1	CANH	CAN-H
2	CANL	CAN-L
3	RES-	CAN Matching resistance
4	RES+	CAN Matching resistance
5	RESET	Reset
6	GND	GND
7	GND	GND
8	SET	SET PIN
9	VIN	Power+
10	GND	Power-

RS-232/485 definition

PIN No	PIN Name	Description
1	485+	RS485-A
2	485-	RS485-B
3	GND	GND
4	RXD	RS232 sending
5	TXD	RS232 receiving
6	GND	GND
7	GND	GND
8	GND	GND
9	GND	GND
10	GND	GND

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5. Product View (Appearance)

6. Structure Dimensions

7.Ordering Information

Model	Signal/ Interface			Protection level		Baud rate	Operating Environment			Power	
	RS232	RS485	CAN BUS				Temperature		Humid ity	Power	
	DB9 Female	Termina l block	Terminal block	RS232	CAN BUS		-25~70 ℃	-40~85 ℃	5~95%	plug and play	External power
UT-250 6A	√	√	√	600W Surge	±15KV ESD	Serial :600bps~230.4kbps CAN:5Kbps~1Mbps		√	√		9~36VDC