Model:UT-6502

TCP/IP to 2-port CANBUS protocol converter

Datasheet

1. Overview

UT-6502 is a high performance CAN-bus communication converter integrating 2 CAN interfaces and 1 Ethernet interface. The converter supports 10M/100M Ethernet network and 5Kbps~1Mbps communication rate CAN-bus interconnection, which further extends the application range of CAN-bus and Ethernet.UT-6502 converter provides Web configuration interface, users can flexibly set the operation parameters of UT-6502 converter. Industrial grade high standard design; isolation between communication interface and system, with certain anti-interference and anti-surge capability, widely used in industrial control and data communication system.

2. Main functions and feature

- Realizes bidirectional data transmission between CAN-bus and fiber optic network
- Support CAN2.0 protocol
- Integrated 2-port CAN-bus communication interface, supporting 5Kbps-1Mbps custom rate
- Integrated 1-port 100M Ethernet interface
- Operating voltage: 12-36V DC
- Operating current: ≤ 150mA@12V
- Operating temperature: -40~85°C
- Storage temperature: -40~85°C
- Operating humidity：5~95%（no condensing)
- Storage humidity: 5~95% (no condensing)
- Isolation voltage: 1000VDC
- Static protection: Air 8kV, contact 6kV
- Surge protection: Power port: 1.2/50us common mode 2kV, differential mode 1kV
  Network port: 10/700us common mode 2kV, differential mode 1kV
  CAN port: 600W

3. Indicator

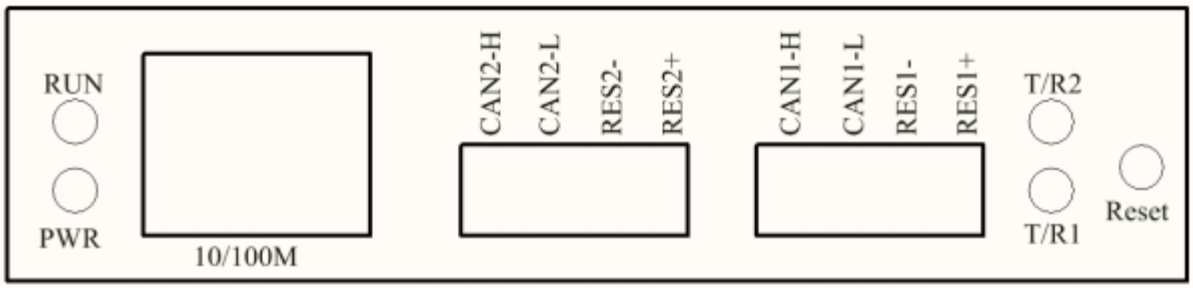
- PWR: red, power indicator; long light when power supply is normal.
- RUN: green, system operation indicator; flashes when the system is running normally.
- T/R1: green, communication indicator; when CAN1 sends and receives data, the indicator is on and goes off when the transmission and reception are completed.
- T/R2: green, communication indicator; when CAN2 sends and receives data, the indicator is on and goes off when transmission and reception are completed.

4. Button Definition

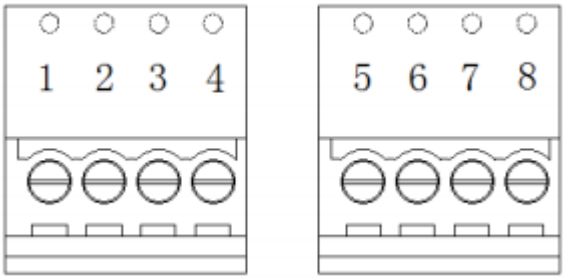
Reset: button, press for 3 seconds to reset the system, press for 5 seconds to restore the device to factory setting

5. PIN Definition

1. Label silkscreen



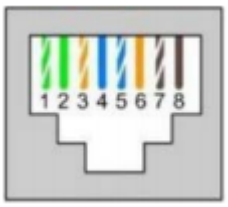
2. Terminal Pin Definition



3.81-4pin Phoenix terminal

Pin No.	Pin name	Description	Pin No.	Pin name	Description
1	CAN1-H	CAN1-H signal connection terminal	5	CAN2-H	CAN2-H signal connection terminal
2	CAN1-L	CAN1-L signal connection terminal	6	CAN2-L	CAN2-L signal connection terminal
3	RES1+	CAN1 Matching resistor terminal I	7	RES2+	CAN2 Matching resistor terminal I
4	RES1-	CAN1 Matching resistor terminal II	8	RES2-	CAN2 Matching resistor terminal II

3. RJ45 Network Port Definition



RJ45	Definition	Description
1	TX+	Transmission signal+
2	TX-	Transmission signal-
3	RX+	Receive+
6	RX-	Receive-
4,5,7,8	-	-

6. Product View (Appearance)

6. Structure Dimensions