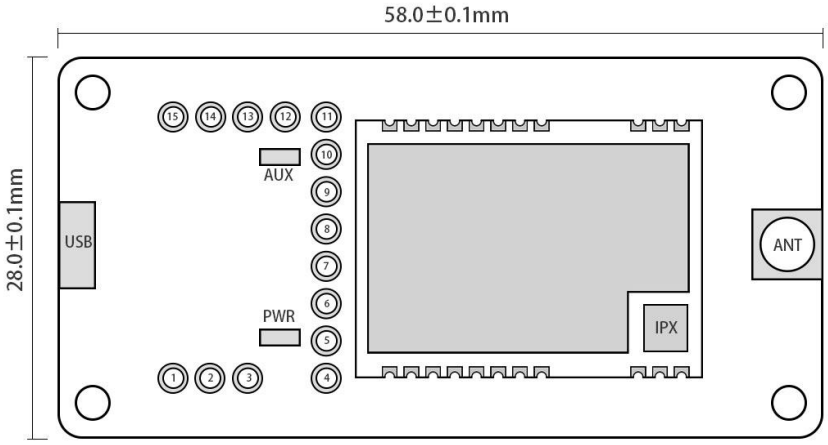
成都亿佰特电子科技有限公司
Chengdu Ebyte Electronic Technology Co.,Ltd.

E610-433TBL-01 Datasheet V1.1

1 Introduction

E610-433TBL-01 is a complete set of test products formed by a series of SMD serial port modules combined with a USB-to-TTL serial port backplane for customer testing and development, which greatly reduces the difficulty of testing and development for customers. This manual describes how to use the test base. For more details, please refer to E610-433T20S user manual.

Dimensions, interface description


58.0±0.1mm
28.0±0.1mm
15
14
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11
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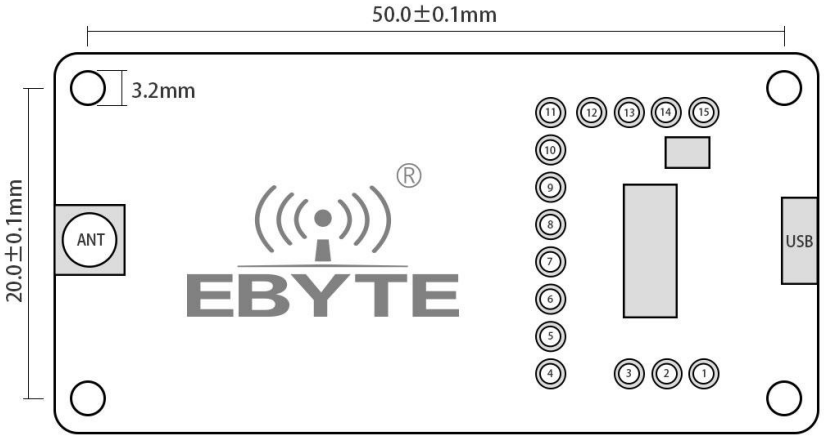
2
1
AUX
PWR
USB
ANT
IPX


50.0±0.1mm
20.0±0.1mm
3.2mm
ANT
USB
EBYTE
11
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6
5
4
3
2
1

Pin	Value	Function
1	5V	Jumper short connected with VCC，for power input
2	VCC	Power input
3	3.3V	Jumper short connected with VCC，for power input
4	GND	Ground
5	VCC	Power input
6	NC1	/
7	NC2	/
8	NC3	/
9	RXD	RXD，to connect TXD of module for test
10	TXD	TXD，to connect RXD of module for test
11	AUX	Check more from manual of E22 module
12	M1	Pin M1 for mode selection，suspending means“1”，when short connected with GND, it is“0”
13	GND	Ground，often work with M1
14	M0	Pin M0 for mode selection，suspending means“1”，when short connected with GND, it is“0”
15	GND	Ground，often work with M0

Notice:

1. Choose a power supply mode, terminal block or DC socket, if you choose DC socket, the terminal block will become invalid;
2. External power supply range 8 – 28V DC

2 Quick Start

2.1 Driver Installation

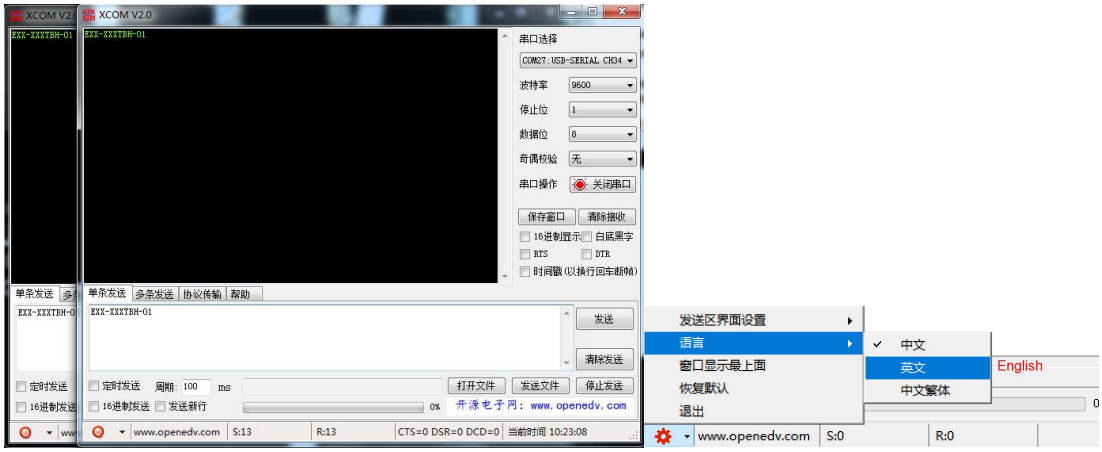
2.1.1 CH343 SER.EXE download
This driver supports 32/64-bit W indows 10/8.1/8/7/VISTA/XP , SERVER2016 /2012/2008/2003 , 2000/ME/98, passed Microsoft digital signature certification, and supports USB to 3-wire and 9-wire serial port, etc.

2.1.2 Xcom download
This tool is used to send and received data via serial port.

2.2 Hardware Connection

Please prepare the power adapter, Micro USB cable, antenna and power supply , connect them to the test kit , and open the serial port communication tool.

As shown in the figure, plug in the jumper cap (choose 3.3 V power supply, mode 0) , the two EXX-XXXTBH-01 are configured in this way, open the corresponding serial port, you can send and receive data, and you can observe the flickering of the AUX light on the bottom board.



2.3 Setting Working Modes

Mode 1: Set M1=1 and M0=0 for transmitting mode.

Mode 2: Set M1=0 and M0=1 for configuration mode.

Mode 3: Set M1=1 and M0=1 for deep sleeping mode.

Contact Ebyte

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