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

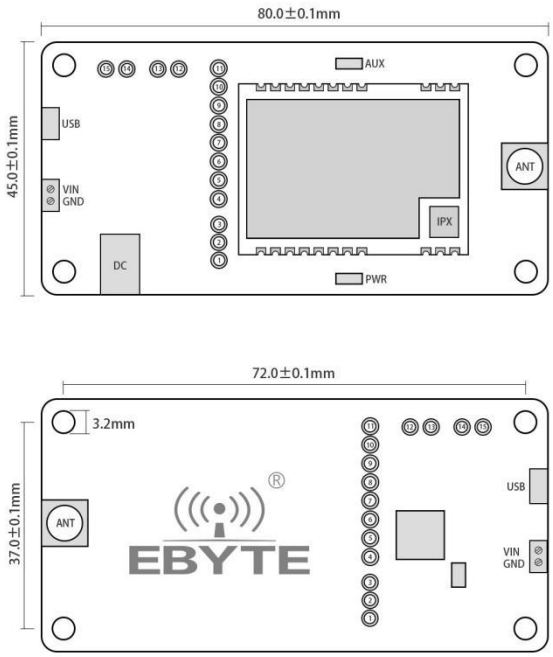
E610-433TBH-01 Datasheet V1.1



1 Introduction

E610-433TBH-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 E 610-433T30S user manual.

Dimensions, interface description



pin number	definition	Function Description
1	3.3V _	3.3 V network on the bottom board can be short-circuited with VCC by a jumper cap for module power input
2	VCC	Module power input
3	VBUS	users don't need to care
4	GND	Backplane reference ground
5	VCC	Module power input
6	AUX	Module AUX, please refer to the user manual corresponding to the module for specific functions
7	RXD	Backplane RXD, connected to the TXD pin of the module, for testing
8	TXD	Backplane TXD, connected to the RXD pin of the module, for testing
9	NC3	users don't need to care
10	NC2	users don't need to care
11	NC1	users don't need to care
12	GND	Backplane reference ground, often used with M0
13	M0	Module M0, used for module mode selection, is "1" when floating , and "0" when the jumper cap is shorted to GND
14	M1	Module M1, used for module mode selection, is "1" when floating , and "0" when the jumper cap is shorted to GND
15	GND	Backplane reference ground, often used with M1

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.

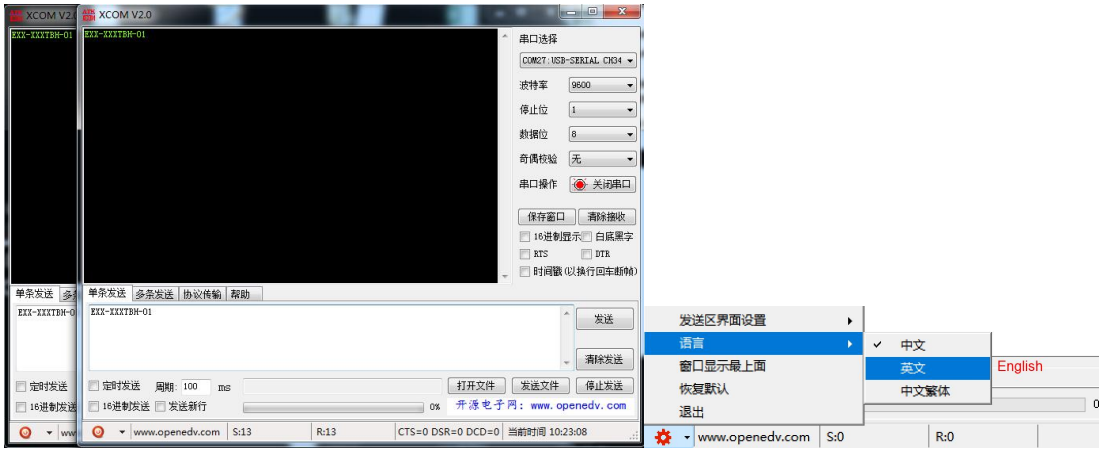
2.1.2 Xcom download
This tool is used to send and received data via serial port.

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 Test kits 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.

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