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

E220-400TBL-01 Datasheet v1.0



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All the test data obtained in this paper are obtained by E-Baite laboratory, and the actual results may be slightly different.

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The attention

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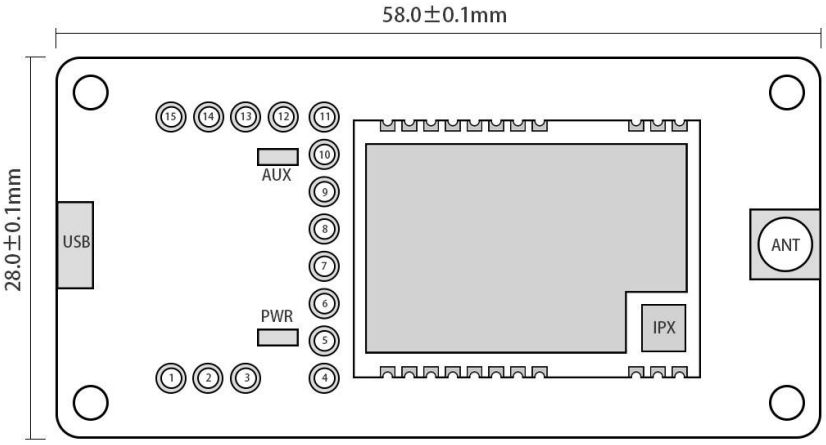
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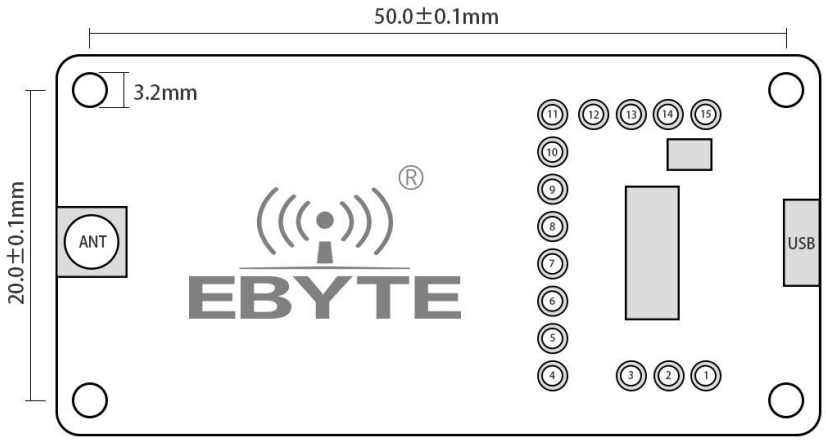
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1. Introduction

E220-400TBL-01 is a set of test kits formed by serial SMD serial port module combined with USB to TTL serial port for customer's testing and development, which greatly reduces the difficulty of testing and development. About more details, please refer to manual of module E220-400T22S.

2. Size and Pin Definition





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

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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

3. Quick Start

3.1. Test preparation

3.1.1. Install driver

Download driver program CH341SER.EXE from Ebyte website，double click to install. The driver program supports 32/64 bit Windows 10/8.1/8/7/VISTA/XP，SERVER2016/2012/2008/2003，2000/ME/98，with software digital signature authentication，good for USB to 3-wire and 9-wire serial port connection.

3.1.2. Connect to hardware

Prepare power adaptor、Micro USB cable、antenna、power supply，connect them to test board EXX-XXXTBL-01，open corresponding serial port.

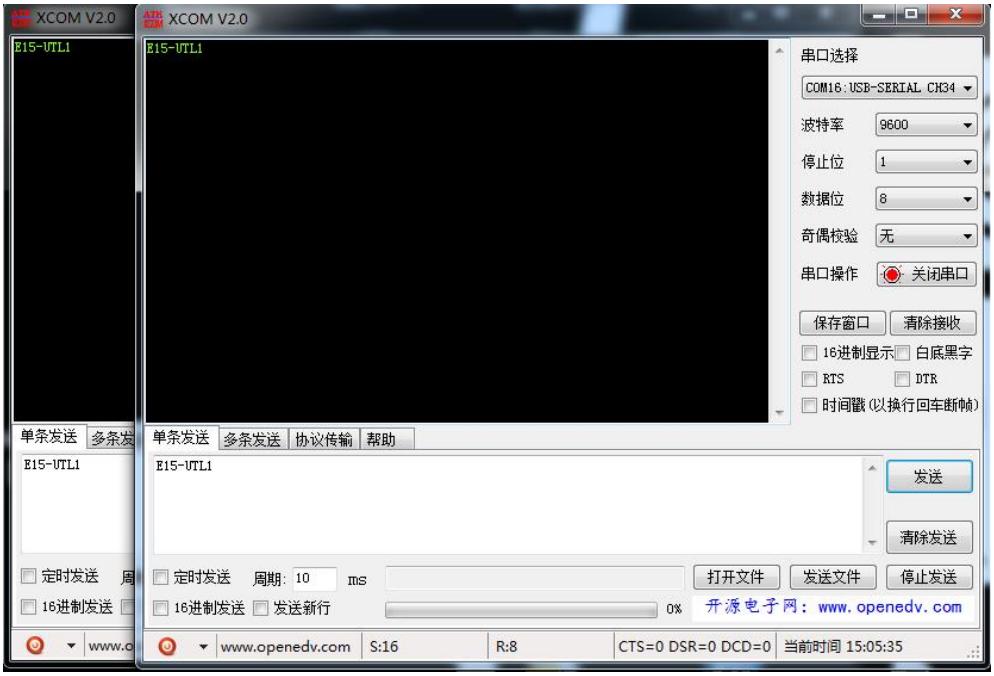
3.2. Communication in Mode 0



As shown above，connect to jumpers（5V power supply，mode 0），both EXX-XXXTBL-01 are configured this way，open serial port，for data TX and RX，and AUX indicator is blinking.

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3.3. Other modes



As shown above，connect to jumpers（5V power supply，mode 1），see function details from E22 UART module manual.



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As shown above，connect to jumpers（5V power supply，mode 2），see function details from E22 UART module manual.



As shown above，connect to jumpers（5V power supply，mode 3），see function details from E22 UART module manual.

Revision history

Version	Date	Description	Issued by
1.0	2020-01-09	Initial version	Linson
1.1	2022-10-19	Error correction	Bin

About us

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