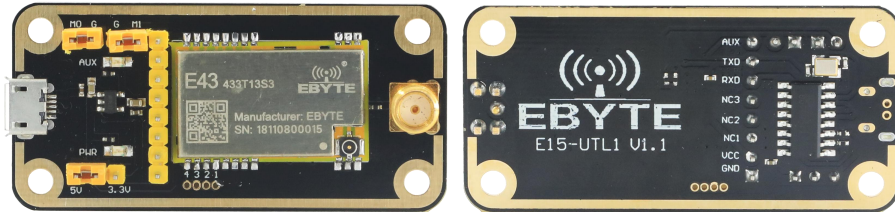




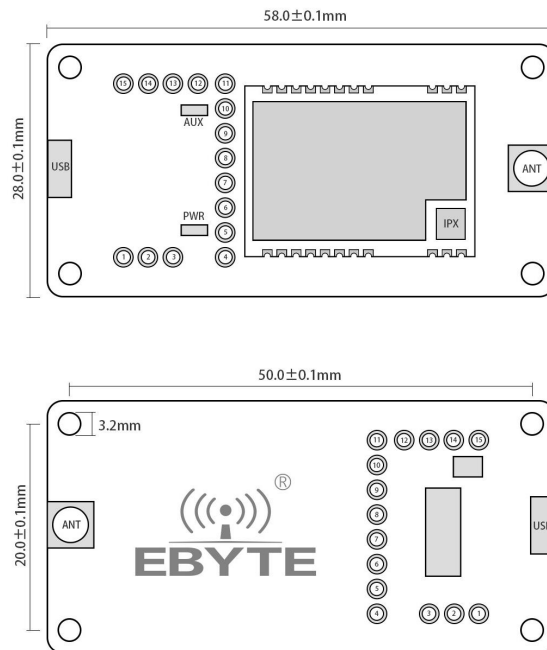
E43-433TB-01 Datasheet v1.1



1. Product Overview

E43-433TB-01 is a complete set of test products formed by SMD serial port module combined with USB to TTL serial board for customer testing and development, which greatly reduces the difficulty of customer testing and development. This manual just describes how to use this test board. For more details, please refer to the E43-433T13S3 user manual.

1.1. Size and Interface Description



Pin No.	Definition	Description
1	5V	5V network on the test board, can be shorted with VCC with jumper cap for module power input.

2	VCC	Module power input
3	3.3V	3.3V network on the test board, can be shorted with VCC with jumper cap for module power input
4	GND	reference ground of the test board
5	VCC	Module power input
6	NC1	/
7	NC2	/
8	NC3	/
9	RXD	RXD on the test board, connected to the TXD pin of the module for testing.
10	TXD	TXD on the test board, connected to the RXD pin of the module for testing.
11	AUX	Module AUX, please refer to the corresponding user manual of the module for specific functions.
12	M1	Module M1, for module mode selection, suspension as "1", jumper cap and GND short connection as "0"
13	GND	Reference ground of the test board, often used with M1.
14	M0	Module M0, for module mode selection, suspension as "1", jumper cap and GND short connection as "0"
15	GND	Reference ground of the test board, often used with M0.

2. Quick start

2.1. Test preparation

2.1.1. Driver Installation

Please go to the official website to download the driver CH341SER.EXE. This driver supports 32/64 bit Windows 10/8.1/8/7/VISTA/XP, SERVER2016/2012/2008/2003, 2000/ME/98. Certificated through Microsoft digital signature and support for USB to 3-wire and 9-wire serial ports.

2.1.2. Hardware Connection

Please prepare the Micro USB cable and antenna, connect to the E43-433TB-01, and open the corresponding serial port.

2.2. Mode 0 communication



As shown in the figure, plug in the jumper cap (select 5V power supply, mode 0). Both E43-433TB-01 are configured as such, open the corresponding serial port, the data can be sent and received, and the AUX light of the test board can be observed to flash.



2.3. Other Mode



As shown in the figure, plug in the jumper cap (select 5V power supply, mode 1). For details, please refer to the manual of corresponding UART module.



As shown in the figure, plug in the jumper cap (select 5V power supply, mode 2). For details, please refer to the manual of corresponding UART module.



As shown in the figure, plug in the jumper cap (select 5V power supply, mode 3), For details, please refer to the manual of corresponding UART module.

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