



成都亿佰特电子科技有限公司

Chengdu Ebyte Electronic Technology Co.,Ltd.

E15-USB-T2 Datasheet v1.0

1.Introduction

E15-USB-T2

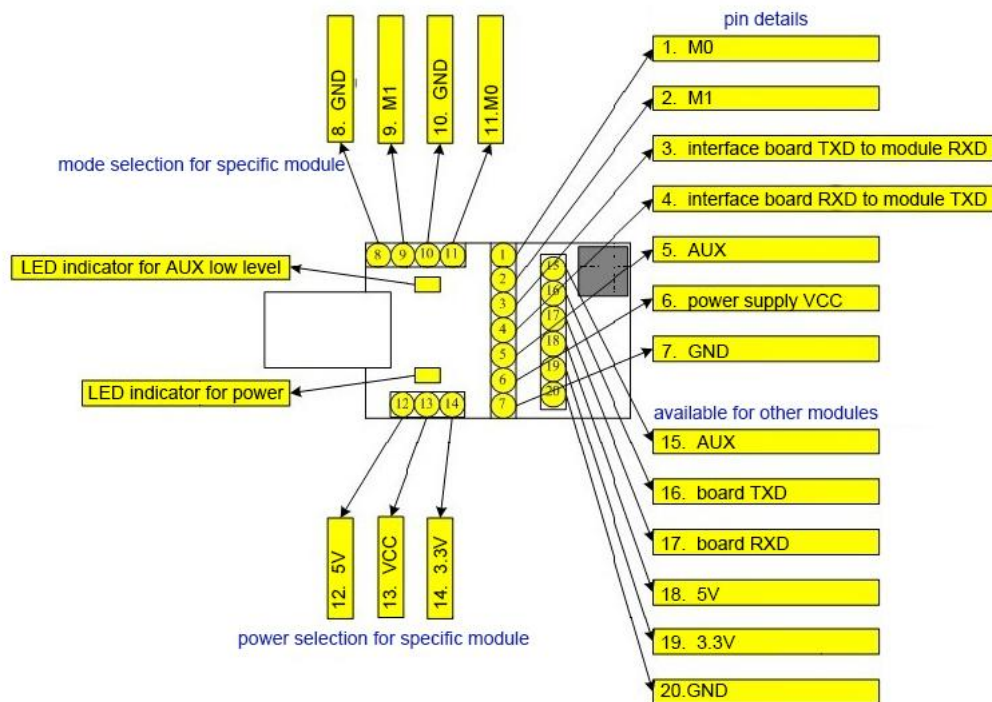


E30~E70 wireless module developed and produced by Chengdu Ebyte Electronic Technology Co., Ltd. is suitable for embedded application. Users usually connect it with MCU. The module has UART (TTL level) interface with its transparent transmission that makes it much easier for users to operate. To better simplify operation, the company has developed a USB to UART convert module E15-USB-T2.

1. It can directly detect wireless UART communication from PC via COM debugging assistant.
2. It is very easy to set software parameters via parameter setting software.

2. Pin definition

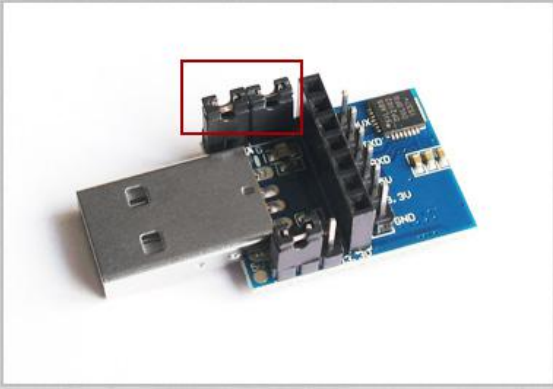
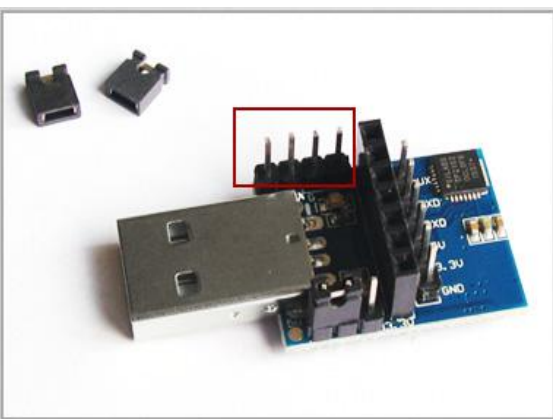
E15-USB-T2



3. Operating mode

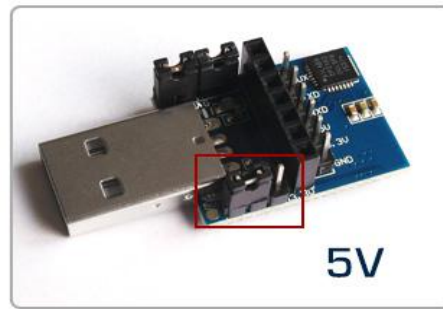
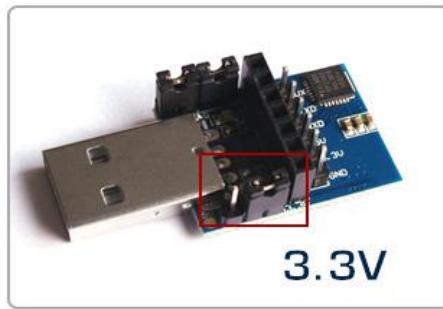
E15-USB-T2

There are four operating modes of the module which can be controlled via setting Pin M0 and M1. Details are shown in the table below:

 A photograph of the E15-USB-T2 module. A red box highlights the M0 pin header, where a black plastic jumper is installed, connecting the two pins.	<p>M0 Normal mode</p> <p>For transparent transmission</p>
 A photograph of the E15-USB-T2 module. A red box highlights the M1 pin header, where a black plastic jumper is installed, connecting the two pins. A separate black plastic jumper is shown to the left of the module.	<p>M1 Wake-up mode</p> <p>Add wake-up signal before transmitting data to wake up RXD end</p>
 A photograph of the E15-USB-T2 module. A red box highlights the M2 pin header, where a black plastic jumper is installed, connecting the two pins. A separate black plastic jumper is shown to the left of the module.	<p>M2 Power-saving mode</p> <p>Close RXD, WOR enabled</p>
 A photograph of the E15-USB-T2 module. A red box highlights the M3 pin header, where a black plastic jumper is installed, connecting the two pins. Two separate black plastic jumpers are shown to the left of the module.	<p>M3 Sleep mode</p> <p>For altering parameters</p>

4. Voltage selection

E15-USB-T2



5. Parameter setting

E15-USB-T2

Step	Operation	Description
1	Install driver	Please install USB convert board driver (CP2102) in installation data packet.
2	Pull out jumpers	Pull out jumpers of M0 and M1 on the USB convert board, as shown below, 3.3V and 5V are selectable for power jumpers.
3	Connect to module	Plug module in Pin 7 on the convert board and plug convert board in USB of computer.
4	Open Port	Open parameter setting software, choose relevant port and click "OpenPort";
5	Enter interface	Click "GetParam" , the interface is shown below; If it fails to read, please check if the module is in M3 or if convert board driver is installed.
6	Write in parameters	Change relevant setting according to requirement, change parameters and click button "SetParam" and write in new parameters.
7	Complete operation	Follow Step 5 to reset, click "ClosePort" when setting is completed and pull out the module.
8	Instruction setting	Instruction can be used for MCU to set module parameter. See details in "Instruction Format-Parameter setting instruction" .



6. About us

E15-USB-T2

Chengdu Ebyte Electronic Technology Co., Ltd., a high-tech company focusing on application of Internet of Things, owns a number of independently researched and developed products and obtains unanimous approvals from customers. With a powerful R&D team, perfect after-sales system, our company provides perfect solutions and technical assistance, shortens R&D period, reduces R&D cost and provides a strong platform for brand new ideas about product R&D.

Our products have been widely applied in various fields, such as consumer electronics, industrial control, healthcare, security alarm, field acquisition, smart home, expressway, property management, water and electricity meter reading, power monitoring, etc.



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