

TTL Bluetooth serial Module (Model: BTM-TTL)

勝特力材料 886-3-5753170
勝特力电子(上海) 86-21-54151736
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[Http://www.100y.com.tw](http://www.100y.com.tw)



Based on the new High power Bluetooth serial modules the new low cost Bluetooth serial adapters allow for simple integration into microcontroller designs as well as providing for standalone use as cable replacement using Available with a 5 volt / 3.3 volt compatible interface and a RS232 level interface, both available with onboard antenna or UFL connector.

Features :

- Easy to use command set for communications and control
- Seamless connectivity with other Bluetooth devices
- Fully embedded solution with no Bluetooth host stack required
- Up to 250kbps of continuous data throughput
- Reference designs available at no additional cost
- Small size of 2.54mm 2x6 header for easy integration
- Easy to use command set for communications and control
- Available with 3.3V/5V interface or RS232 voltage level interface
- Easy Connect enabled for simple cable replacement
- Full design documentation available at no cost
- Four screw holes for solid mounting
- Directly connectable to standard USB serial cable for PC testing
- High power up to 18dBm

General Description:

Bluetooth serial adapters provide a highly integrated and easy to use Bluetooth solution designed for low cost and reliability. All components of the Bluetooth stack are implemented onboard so that additional host processor code is not required. Once a connection to another Bluetooth device has been established, the link has the appearance of a cabled serial connection eliminating the need for special wireless protocol knowledge.

Simple UART communication facilitates the interface between the host processor and the onboard radio. This UART interface may be used to discover, connect, and communicate with other Bluetooth devices through simple ASCII commands.

Easy Connect provides the option for a drop-in cable replacement solution without having to issue commands. The integrates a simple push button and LED to provide all the control necessary to establish and maintain a wireless connection using this mechanism.

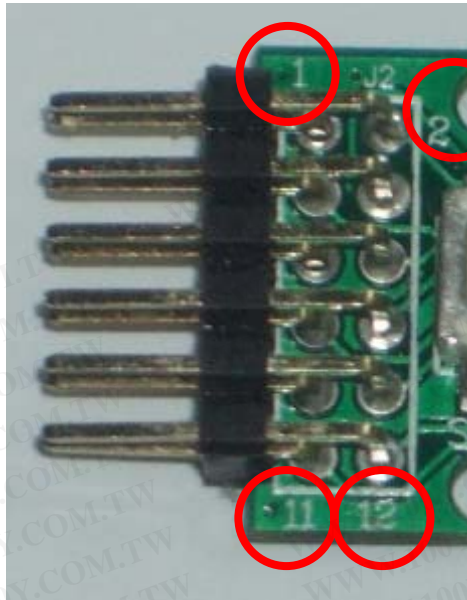
Applications

- Medical Equipment
- POS Systems
- Telemetry Systems
- Industrial Automation
- Cable Replacement
- Barcode and RFID scanners
- Lighting Control
- Robotics

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Specifications:

Transmit Power	+18dBm(max)
Receiver Sensitivity	-85dBm
Operating Temperature	-15° to 70°C
Supply Power	logic level(3.3V/5V version)5.5VDC(RS232 version)
Current Consumption	125uA - 110mA
Antenna Connection	Chip ant or UFL
Bluetooth Support	Version 2.0+ EDR compliant with profiles GAP, SDP, SPP, and DUN



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Pin out information:

Pin	Direction	Name	Description
1	Input	GROUND	
2	Input	SWITCH	Active low; duplicating functionality of onboard switch.
3	Output	RTS	Serial ready to send.
4	Output	LED	Active low; duplicating functionality of onboard LED.
5	Input	VCC	3.3V (using 3.3V logic); 5V (using 5V logic); 5.5V (RS232 version)
6	Input	BREAK	Active low; enter command mode and return to data mode.
7	Input	RXD	Serial receive data.
8	Input	WAKEUP*	Active low; wakeup eb301 before transmitting data from host.
9	Output	TXD	Serial transmit data.
10	Output	STATUS	Active low indicates active connection.
11	Input	CTS	Serial clear to send.
12	Output	H_WAKEUP*	Active low indicates data in FIFO will be transmitted to host.

Remark: All contents are subject to change without notice.