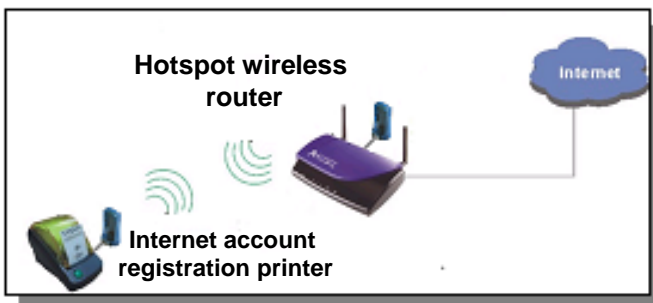




- Bluetooth UART PCB Module enables any UART Or RS232** devices with Bluetooth capability and eliminates RS232 cable connections.
 - This unit can be configured as a Bluetooth Piconet or as a point-to-point RS232 cable replacement set. It is an ideal wireless link solution for industrial, medical and commercial applications which require freedom from cable connections. It supports SPP as a Master or a Slave.
- ** Need additional UART to RS232 conversion. UART to USB Virtual COM port conversion also available.

Application Scenario

Example of RS232 Cable Replacement application



Example of RS232 Piconet application



Features and Benefits

- Provides optional USB Interface supported Evaluation Kit (ACT-BT5701SiA2-EK)
- Configurable as an UART/RS232 Cable Replacement Set
- Supports Class 2 Output Power Up to 10 m Operation Range
- Bluetooth SIG 1.2 Compliant
- Profile Supported: SPP as a Master or as a Slave
- Baud Rate Supported: 1.2k bps ~ 1843.2k bps; default 115.2k bps
- Configurable for Baud Rate, Data Bit, Parity Check, Stop Bit, RTS/CTS Flow Control, BD Address, Device Name, Control Flag, PIN Code, Watchdog Timeout, Supervision Timeout, and Peer BD Address (only used in Master)

Specifications		
Model No.		BT5701SiA2
Standard		Bluetooth SIG 1.2
Chip Set		RFMD
Bluetooth Profile		Serial Port Profile (SPP) only
Baud Rate		1.2k bps ~ 1843.2k bps; default 115.2k bps
Configurable Parameters		Baud Rate, Data Bit, Parity Check, Stop Bit, RTS/CTS Flow Control, COM Port, Device Name, Control Flag, PIN Code, Master or Slave, Watchdog Timeout, Supervision Timeout, BD Address
Interface		UART interface
RF Specifications	Frequency Band	2.400~2.4835 GHz unlicensed ISM band
	Spectrum	FHSS (Frequency Hopping Spread Spectrum)
	Modulation	GFSK
	Output Power	4 dBm (internal embedded antenna)
	Receiving Sensitivity	-82 dBm (typical)
	Power Class	Class 2 (internal embedded antenna)
	Range	Class 2 up to 10 m (open-air)
LED Indicators		Connection Activities LED
Power		External 2.3V~3.63V (Typical +3.0V)
Dimensions	PCB	41.2 x 20.4 x 3.2 mm (1.62x 0.80 x 0.13 in.) (L x W x H)
Operating / Storage Temperature		0° C ~ 55° C (32° F ~ 131° F) / -20° C ~ 80° C (-4° F ~ 176° F)
Specifications may be changed without prior notice.		

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