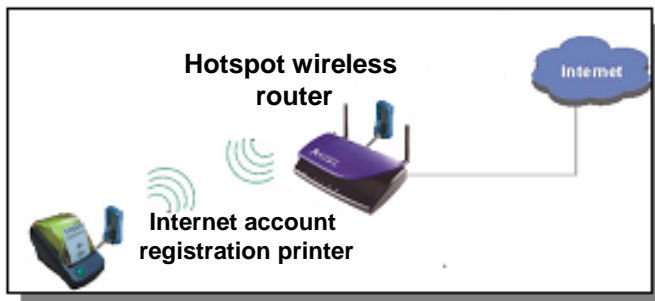


Bluetooth RS232 PCB Module enables any RS232 devices with Bluetooth capability and eliminates RS232 cable connections. This unit can be configured as a Bluetooth Piconet or as a point-to-point RS232 cable replacement set. It is an ideal wireless link solution for industrial, medical and commercial applications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

Application Scenario

Example of RS232 Cable Replacement application



Example of RS232 Piconet application



Bluetooth RS232 Adapter enables any RS232 devices with Bluetooth capability and eliminates RS232 cable connections.

Features and Benefits

- No Driver Required for Non-Windows Based Communication (Client) Devices
- Configurable as an RS232 Cable Replacement Set
- Supports Class 1 Output Power Up to 100 m Operation Range
- Bluetooth SIG 1.2 Compliant
- Profile Supported: Serial Port Profile 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.		BT5701Si
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		RS232 DB9M connector (optional DB9F-DB9F null modem adapter)
RF Specifications	Frequency Band	2.400~2.4835 GHz unlicensed ISM band
	Spectrum	FHSS (Frequency Hopping Spread Spectrum)
	Modulation	GFSK
	Output Power	13 dBm (typ. External antenna)
	Receiving Sensitivity	-82 dBm (typical)
	Power Class	Class 1 (External antenna)
	Range	Class 1 Up to 100 m (open-air)
LED Indicators		Power & Connection Activities LED
Power		Power provided by 7.5 V / 300 mA AC-DC power adapter
Dimensions	PCB	71.5 x 27.1 x 25 mm (2.8 x 1.1 x 1.0 in.) (L x W x H)
	UART PCB Module	19 x 16 x 4 mm (0.7 x 0.6 x 0.2 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 change without prior notice.		

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