



BTS1109A

Bluetooth to RS-232 Adapter



Introduction

Bluetooth to IO (BTIO) series is designed to offer the perfect wireless solution for industrial and commercial applications. The BTS1109A is compliance with Bluetooth Class 1 standard version 2.1, which allows data communication distance up to 100M and transfer rate up to 921.6 Kbps. SUNIX BTS1109A presents users with low cost solution that enable them to simply convert their serial peripherals into Bluetooth compatible and communicate wirelessly. Some of the great features of SUNIX BTS1109A are its high sensitivity, low power consumption, point-to-point data transmission, and economic wireless solution; which made it suitable for numerous electronic devices, such as barcode scanner, POS device, PDA, serial printer, and many other serial devices on the market.

Features

- Link Serial RS-232 device to a Bluetooth communication.
- Supports Bluetooth Class 1 version 2.1 standard.
- Operating distance of up to 100 meters in free space.
- Supports baud rate up to 921.6 Kbps.
- Compact sized and easy operation design with User-friendly Windows configuration software.
- Intelligent draw/provide +5VDC power to/from the device through the 9th-pin.
- Powered by external power adapter or USB port on hosting device.
- Bluetooth configuration utility supports Microsoft Windows 2000, XP, Vista, and 7.



Specifications

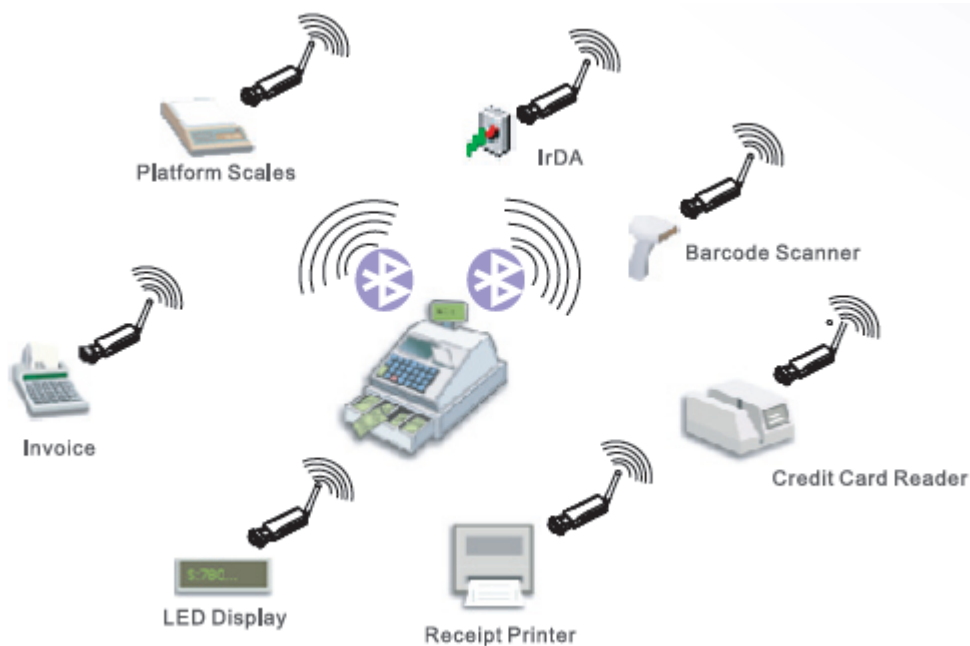
Standard	Bluetooth V2.1+EDR
Frequency Band	2402 ~ 2480 MHz
Services Supported	Series Port Profile (SPP)
Transfer Rate	1200~ 921,600 bps Baud
RF Output Power	Class 1
Antenna	2.5dBi External Antenna
Working Distance	Up to 100m in free space
TX Output Power @ DH5	10~15dBm
RX Sensitivity	≤ -82dBm
Power Consumption	Tx Typical: 115mA
	Rx Typical: 75mA
	Standby Mode: 15mA
Input Power	+5V DC
I/O Interface	RS-232 DTE Mode
Connector	DB9 Male
Signal	RxD, TxD, RTS, CTS, GND
LEDs Indicator	Power / Bluetooth Link / Mode active
Case Material	ABS
Environment	Operation temperature: 0 °C ~ + 40 °C (50-104°F)
	Storage temperature: -10 °C ~ +85 °C (14~176°F)
	Humidity: 5 ~ 90% non-condensing
Size	109 (L) x 34(W) x 18(H) mm
Weight	150 ± 2 g
Utility Supports	Windows 2000/XP/Vista/7



Application

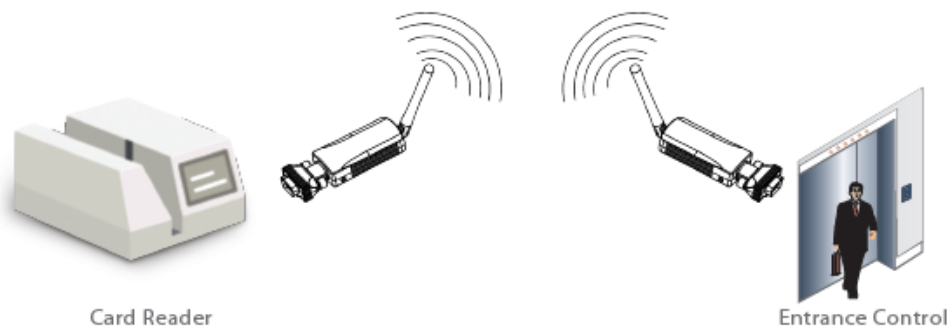
Host Control Mode

User can control maximum 7 Bluetooth to serial adapters via one USB Bluetooth Dongle or embedded Bluetooth module on PC host. After establishing an exclusive connection by utilizing Bluetooth MAC Address and PIN code, Bluetooth to serial adapter will automatically try to link (Master) or to be linked (Slave) with another paired Bluetooth device wirelessly, just like there is a cable connected between them.

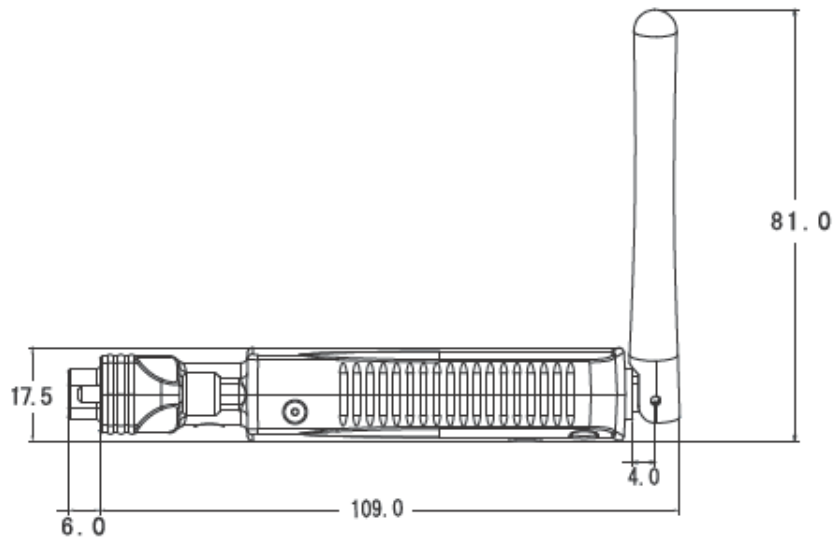


Pair Connection Mode

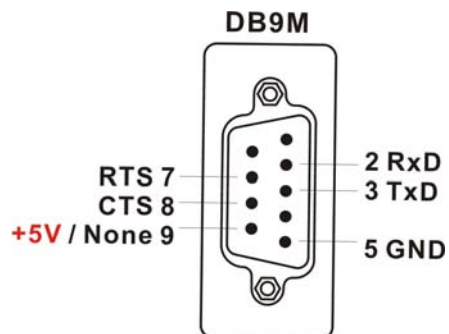
User can pair two Bluetooth to serial adapters with different RS-232 devices without any PC host controlling. After pairing process is done and power is on, two Bluetooth to serial adapters will automatically establish an exclusive connection with each other, just like there is a RS-232 cable connected between them.



Mechanical Drawings (Unit = mm)



Pin Assignment



Packing List

Packing Content

- BTS1109A – Bluetooth to RS-232 Adapter
- User Manual
- Software CD ROM