



The ACTiSYS Bluetooth RS232 Adapter enables any RS232 devices with Bluetooth capability and eliminates RS232 cable connections. This unit can be configured as a Bluetooth piconet slave device or as a point-to-point RS232 cable replacement set and is an ideal wireless link solution in industrial, medical and commercial applications which require freedom from cable connections.

Application Scenario

Example of RS232 Cable Replacement application



Example of RS232 Pico-net application



The ACTiSYS Bluetooth Wireless Cable Solution enables any RS232 devices with Bluetooth capability and eliminates RS232 cable connections.

Features and Benefits

- Bluetooth v2.0 + EDR Compliant with Serial Port Profile (SPP) support
- Supports Class 1 Output Power for Up to 100m Operation Range
- Configurable as a Bluetooth Slave Device or as an RS232 Cable Replacement Set using paired Bluetooth Slave and Master devices.
- Baud Rate Supported: 1200 bps ~ 921600 bps
- Configurable For Major RS232 Parameters such as Band Range, Parity, Stop Bit as well as Role Type, Pin code, Device Nick Name, etc..
- AT command based easy configuration method using any serial terminal application software. DIP switch support to change role.
- No Driver Required for Non-Windows Based Communication(Client) Devices. USB power cable and additional batteries connector feature.

Specifications

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| Standard | Bluetooth SIG 2.0 + EDR | |
| Bluetooth Profile | Serial Port Profile (SPP) | |
| Baud Rate | 1200 bps ~ 921600 bps (Factory Default 115200 bps) | |
| Configurable Parameters | Master/Slave role, Stop bit, Parity check, Baud rate, Flow control, Nick Name, PIN code | |
| Interface | RS232 DSUB-9 (Female) connector with DCE/DTE selectable DIP switch | |
| RF Specifications | Frequency Band | 2.400~2.4835GHz unlicensed ISM band |
| | Hopping | 1,600/sec, 1MHz channel space |
| | Modulation | GFSK-1 Mbps, DQPSK-2 Mbps, and 8-DPSK-3 Mbps |
| | Tx. Power | Max. 18 dBm (Class 1) |
| | Receiving Sensitivity | -86dbm (typical) |
| | Power Class | Class 1 |
| | Antenna | Internal embedded |
| | Range | Up to 100m (open space) |
| LED Indicators | Power (Red) , RF Activity (Blue) | |
| Current Consumption | Max. 90mA | |
| Power | Power provided by USB +5V cable OR DB9-pin9 (5V) OR 3.3 VDC Rechargeable Li-Polymer Battery or AAA x 3 batteries | |
| Physical Dimensions & Environment | Dimensions | 30.4 mm (W) x 80.8 mm (L) x 10.6 mm (H) |
| | Weight | 38.2 grams (cable excluded) |
| | Operating Temperature | -20°C to +75°C |
| Certified | CE, FCC, NCC | |

Specifications change without prior notice.

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