

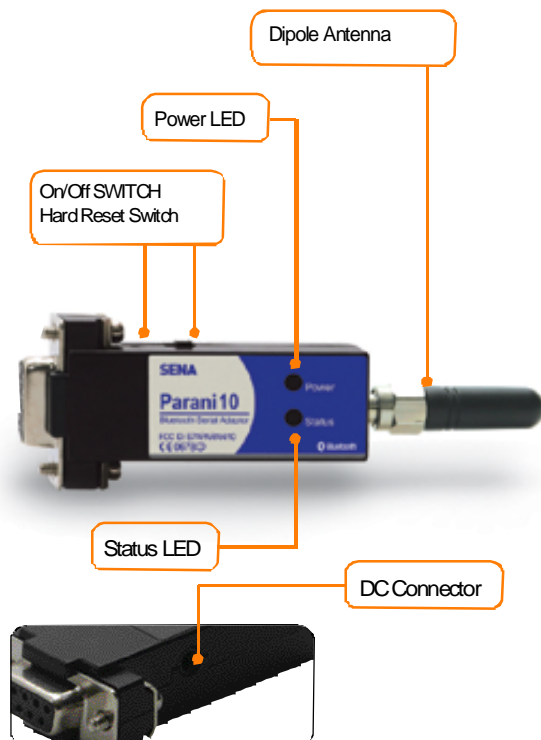
# Bluetooth Serial Adapter, Parani10

## Features

- Provides transparent RS232 serial cable replacement
- Supports Bluetooth Serial Port Profile and Generic Access Profile (Bluetooth Class I)
- Interoperability with PDA, laptops etc
- Nominal 200m working distance, up to 1200m using patch antenna
- Easy to use Windows configuration tool available
- No external drivers required



## Panel Layout



**Parani10** is a wireless serial adapter based on Bluetooth technology. It enables the RS232 serial devices to communicate wirelessly throughout the range of 120m ~ 1.2km.

It supports both point-to-point connections and point-to-multipoint connections. Users may configure the Parani10 by using an easy-to-use Windows-based utility software or by using standard AT command set.

Its various power supply configurations allow users to choose which options suits them best, i.e. Power by DC power cable, Power by external DC-adapter, Power by USB power cable, Power by pin 9 of DB9 connector.

Typical application areas of the Parani10 include:

- \* RS232 cable replacement
- \* Truck/Bus monitoring system
- \* Car Diagnostics
- \* Wireless POS system
- \* Wireless Factory monitoring
- \* PLC programming
- \* Wireless machine (healthcare/industrial) monitoring
- \* Wireless Printing
- \* Wireless logistics

# Bluetooth Serial Adapter, Parani10

## Specifications

### Serial Interface

- \* RS232, Female DB9
- \* 1200 to 230 Kbps
- \* Automatic detection of hardware flow control
- \* DTR/DSR for loop-back & full transfer

### Bluetooth Interface

- \* Bluetooth v1.1
- \* Class I
- \* Level - 18dBm
- \* Protocols  
RFCOMM, L2CAP, SDP
- \* Profiles  
General Access Profile  
Serial Port Profile
- \* Working distance;  
Default Antenna - Default Antenna up to 120m  
Default Antenna - Dipole Antenna up to 150m  
Dipole Antenna - Dipole Antenna up to 200m  
Patch Antenna - Dipole Antenna up to 400m  
Patch Antenna - Patch Antenna up to 1200m

### Configuration

- \* Windows Utility, Parani10 Manager
- \* Modem AT command set

### Diagnostic LED

- Status and Power LED

### Power

- \* 4V~12V, minimum 150mA
- \* nominal power consumption of 40mA@9600bps and 72mA@115Kbps speed
- \* Power supply options:  
Power by DC cable  
Power by external DC-power adapter  
Power by USB power cable  
Power by pin 9 of DB9 serial connector

### Environmental

- \* Operating temperature:  
5 °C to 50 °C
- \* Storage temperature:  
-40 °C to 66 °C
- \* Humidity: 90% Non-condensing

### Physical properties

- \* Dimension (L x W x H)  
91x 31 x 16 (mm)  
3.8 x 1.2 x 0.6 ( in.)
- \* Weight: 14g

### Certification

- \* Bluetooth 1.1
- \* FCC(A), CE

### Warranty

- 1-year limited warranty

## Ordering Information

**Parani10** Bluetooth Serial Adapter

### Includes:

- DC Power cable
- USB Power Cable
- Stub antenna



### Optional Accessories:

- DC Power adapter
- Dipole Antenna
- Patch antenna



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