

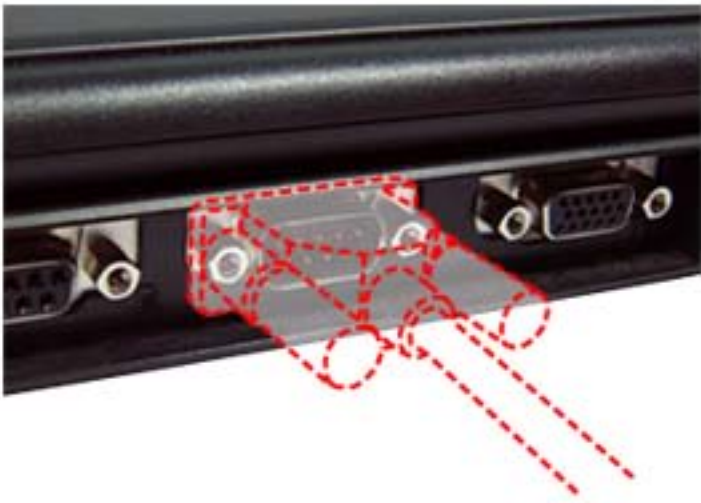
# Parani-SD1000

Bluetooth Serial Adapter



Class 1 type Bluetooth serial adapter, Parani-SD1000

- RS232 serial cable replacement
- Enhanced portability
- Bluetooth specification v2.0+EDR
- Serial speed : up to 921.6 Kbps



### RS232 serial cable replacement

Parani-SD1000 is an ideal solution to replace wired serial cabling system by using wireless Bluetooth technology. It supports 100 meters of wireless transmit distance by default and has an extension option so that users can extend the transmit distance up to 1000 meters using optional antennas.

### Enhanced portability : standard & extended battery pack options

Parani-SD1000 also supports 2 types of rechargeable battery pack options - Standard & Extended. With these battery packs, mobility of the Parani-SD1000 is even more enhanced.



< Standard battery pack >



< Extended battery pack >

### Bluetooth specification v2.0+EDR

Parani-SD1000 supports latest Bluetooth Specification 2.0+EDR (Enhanced Data Rate) which is more powerful and stable compared to previous Bluetooth standards. Thanks to Bluetooth 2.0+EDR, it consumes less power while improves data speed up to 3 times.





921.6 Kbps

Serial speed : up to 921.6 Kbps

Parani-SD1000 also supports enhanced serial data speed up to 921.6kbps.

### Single Unit Pack Includes



Warranty

Quick Start Guide

CD-ROM

OPA-G01

FM9GD-G01

DPA-G01

Parani-SD1000

UPA-G01

# Specifications

## Serial Interface

- Serial speed up to 921.6kbps
- CTS/RTS flow control, DTR/DSR for loop-back & full transfer

## Bluetooth Interface

- Bluetooth v2.0 + EDR
- Class 1
- Profiles - SPP
- Working distance (in open field)
  - SAT-G01R - SAT-G01R 100 meters
  - SAT-G01R - DAT-G01R 150 meters
  - DAT-G01R - DAT-G01R 200 meters
  - DAT-G01R - DAT5-G01R 300 meters
  - DAT-G01R - PAT-G01R 500 meters
  - DAT5-G01R - DAT5-G01R 400 meters
  - DAT5-G01R - PAT-G01R 600 meters
  - PAT-G01R - PAT-G01R 1,000 meters

[Antennas]

- SAT-G01R: +1dBi Stub Antenna
- DAT- G01R: +3dBi Dipole Antenna
- DAT5-G01R: +5dBi Dipole Antenna
- PAT-G01R: +9dBi Patch Antenna

**Max. Tx power** : +18dBm

**Receive Sensitivity** : -88dBm

## Configuration

- ParaniWin, ParaniUpdater
- Modem AT command set

## Diagnostic LED

- BT Status (mode)
- Connect
- RS232-RX/TX
- Charging/Done (Battery Charging/ Battery Charging completed)
- Low Battery

## Power

- Power input : 5~12VDC
- Power Consumption : Minimum 2mA, Maximum 80mA

## Battery Pack

- Capacity
  - 240 mAh(standard)
  - 900 mAh(extended)
- Charging Power : minimum 5V/200mA
- Charging Time
  - Approximately 2 hours (standard)
  - Approximately 5 hours (extended)
- Battery life (Test based on 9600 bps data loopback. Actual battery life varies by configuration, operating conditions and other factors)
  - Approximately 4.5 hours (standard)
  - Approximately 16.5 hours (extended)

## Environmental

- Operating temperature: -20°C to 70°C
- Storage temperature: -40°C to 85°C
- Humidity: 90% Non-condensing

## Physical properties

- Dimension (L x W x H)
  - 68 x 31 x 16 (mm) (No battery pack)
  - 68 x 31 x 19.5 (mm) (with standard battery pack)
  - 68 x 31 x 31.4 (mm) (with extended battery pack)
- Weight
  - 24g (No battery pack)
  - 30g (with standard battery pack)
  - 42g (with extended battery pack)

## Certification

- CE, FCC, TELEC, MIC

## Warranty

- 3-year limited warranty