Bluetooth USB Adapter,

Parani™ SD1000U



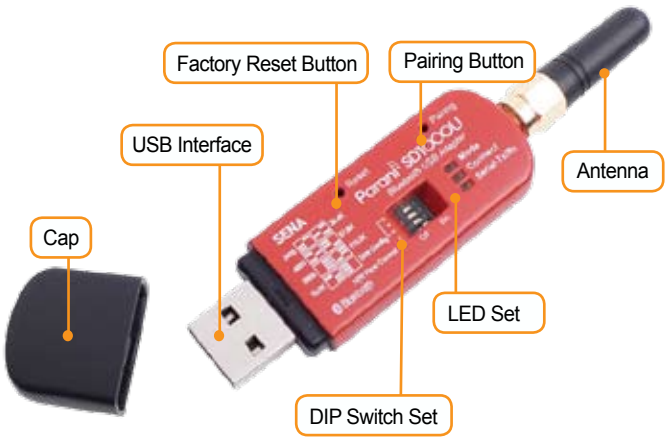
Features

- Bluetooth Specification v2.0 + EDR Class 1
- Working distance (In an open field): Normally 300 meters, up to 1000m using patch antenna
- USB 2.0 interface
- Supports Windows, Linux, Mac OS and Windows CE.NET operating systems.
- No Bluetooth driver required.
  (No Toshiba or BlueSoleil driver required.)
- Provides transparent RS232 serial cable replacement for PC
- Supports Bluetooth Serial Port Profile (SPP)
- Supports up to 4 multiple simultaneous connections
- Interoperability with laptops, PDA terminals etc.
- Easy to use Windows configuration tool available.

The Parani-SD1000U is a class 1 type Bluetooth USB adapter for Serial Port Replacement that supports 300 meters of wireless transmission distance by default. The working distance can be further extended up to 1000 meters using optional antenna can be replaceable.

It is suitable for industrial and special applications because it can cover longer communicaiton distance (1000m) over other regular Bluetooth USB adapter accessories.

Exterior



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Bluetooth USB Adapter,

Parani™ SD1000U

Specifications

Standards
- Bluetooth 2.0+EDR Class 1
- USB 2.0

Max Transfer Rate
- 3 Mbps (EDR)

Frequency Range
- 2.402 ~ 2.480GHz

Transmit Output Power
- +18dBm

Receive Sensitivity
- Basic 1Mbps: -90dBm
- EDR 2Mbps: -88dBm
- EDR 3Mbps: -87dBm

Diagnostic LED
- Mode
- Connect
- Serial-Rx/Tx

Antenna Connector
- RP-SMA

Antenna Gain
- Default Stub Antenna: 1 dBi
- Optional Dipole Antennas: 3 dBi & 5 dBi
- Optional Patch Antenna: 9 dBi

Working Distance (In Open Field)

Stub Antenna	-	Stub Antenna	300 meters
Dipole Antenna (3 dBi)	-	Dipole Antenna (3 dBi)	400 meters
Dipole Antenna (5 dBi)	-	Dipole Antenna (5 dBi)	600 meters
Patch Antenna	-	Patch Antenna	1,000 meters

Driver Software
- FTDI(FT232R) USB-Serial driver in public domain
  (http://www.ftdichip.com/Drivers/VCP.htm)
  No Toshiba or BlueSoleil driver required.

Supported Bluetooth Profiles
- Serial Port Profile (SPP)

Computer OS Support
- Windows 7
- Windows 7 x64
- Windows Server 2008
- Windows Server 2008 x64
- Windows Vista
- Windows Vista x64
- Windows Server 2003
- Windows Server 2003 x64
- Windows XP
- Windows XP x64
- Windows 2000
- Windows ME
- Windows 98
- Linux
- Mac OS X
- Mac OS 9
- Mac OS 8
- Windows CE.NET (Version 4.2 and greater)

Environmental
- Operating Temperature: -20˚C ~ +70˚C
- Storage Temperature: -40˚C ~ +85˚C
- Humidity: 95% Non-condensing

Physical properties
- Dimension (L x W x H)
  · 68 mm x 22 mm x 11.5mm (2.6 in x 0.8 in x 0.4 in) without cap
  · 71 mm x 22 mm x 11.5mm (2.7 in x 0.8 in x 0.4 in) with cap
  · 97 mm x 22 mm x 11.5mm (3.8 in x 0.8 in x 0.4 in) with cap&1dBi stub
- Weight: 56 g

Regulatory Approvals
- FCC, CE, TELEC, KCC, IC, Bluetooth SIG

Warranty
- 1 year limited warranty

Ordering Information

SD1000U-G01 Includes
- Parani-SD1000U
- Stub antenna
- Quick Start Guide
- CD-ROM including Driver, User guide and Data sheet

Optional Accessories
- SAT-G01R: 1 dBi Stub Antenna - RP-SMA Plug Right-hand Thread
- DAT-G01R: 3 dBi Dipole Antenna - RP-SMA Plug Right-hand Thread
- DAT5-G01R: 5 dBi Dipole Antenna - RP-SMA Plug Right-hand Thread
- PAT-G01R: 9dBi Patch Antenna with RP-SMA Plug Right hand Thread Default Cable.
  (SMA Jack Right hand Thread w/o Default Cable)
- SEC-G01R: 15cm Extension Cable (For SAT-G01R / DAT-G01R / DAT5-G01R)
- RFC-G01R: 1m Extension Cable (For PAT-G01R)

For more information,
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