



# Bluetooth USB adapter, Parani™ UD100

**The Parani-UD100** is a class 1 type Bluetooth USB adapter that supports 300 meters of wireless transmission distance by default. The working distance can be further extended up to 600 meters using 5 dipole antenna. Thanks to its longer communication distance than other regular Bluetooth USB adapters, it is suitable for industrial or special applications. Parani-UD100 is compatible with other Sena Bluetooth devices perfectly.

## Features

- Supports Bluetooth stack v4.0
  - USB2.0
  - Supports Bluetooth DUN, FAX, SPP, HID, FTP, OPP, A2DP, AVRCP, HSP, HFP, PAN, BPP profiles
  - Supports up to 7 simultaneous connections
  - Easy to use Windows configuration tool available
  - Bluetooth driver needed (Bluesoleil driver)
  - Easy to use Windows configuration tool available
- Working distance (In an open field): Normally 300 meters, up to 600 meters using 5 dipole antenna

## Specifications

### Standards

- Bluetooth 4.0 Class 1
- USB 2.0

**Max Transfer Rate:** 3 Mbps (EDR)

**Frequency Range:** 2.402 ~ 2.480GHz

**Transmit Output Power:** +19dBm (+6dBm EDR) E.I.R.P

### Receive Sensitivity

- Basic 1Mbps: -90 dBm
- EDR 2Mbps: -88 dBm
- EDR 3Mbps: -86 dBm

**Antenna Connector:** RP-SMA

### Antenna Gain

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

### Working Distance(In Open Field)

- Stub antenna – Stub antenna: 300 m
  - Dipole (3 dBi) – Dipole (3 dBi): 400 m
  - Dipole (5 dBi) – Dipole (5 dBi): 600 m
- \* working distance can vary depending on install environment

**Bluetooth stack software:** BlueSoleil

**Bluetooth Profiles:** DUN, FAX, SPP, HID, FTP, OPP, A2DP, AVRCP, HSP, HFP, PAN, BPP

### Computer OS Support

- Windows XP/Vista/7/8 (32/64bit)
- Linux (3rd party driver required)
- MAC OS X (MAC OS X driver required)

**Size:** 72(L) x 22(W) x 10(H) mm

**Operating Temperature:** -20 ~ +70°C

**Storage Temperature:** -40 ~ +85°C

**Humidity:** 90% Non-condensing

**Regulatory Approvals:** FCC, CE, TELEC, KCC, Bluetooth SIG

**Warranty:** 1 year limited warranty

## Exterior



## Ordering Information

### UD100-G03 Includes

- Parani-UD100
- Stub antenna
- Quick Start Guide(BlueSoleil)
- CD-ROM including Windows Bluetooth 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
- SEC-G01R: 15cm Extension Cable  
( For SAT-G01R / DAT-G01R / DAT5-G01R )