

# 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 1000 meters using optional replacement 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

- Bluetooth 2.0+EDR Class 1
- Working distance 300m, up to 1000m using optional antenna
- USB 2.0 interface
- Bluetooth driver CD (Toshiba driver)

## 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** : +19dBm (+6dBm EDR) E.I.R.P

### Receive Sensitivity

- Basic 1Mbps : -88 dBm
- EDR 2Mbps : -87dBm
- EDR 3Mbps : -82dBm

**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 m
  - Dipole (3 dBi) – Dipole (3 dBi) : 400 m
  - Dipole (5 dBi) – Dipole (5 dBi) : 600 m
  - Patch antenna – Patch antenna: 1 km
- \* working distance can vary depending on install environment

**Bluetooth stack software** : Toshiba

### Computer OS Support

- Windows 2000/XP/Vista (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

## Panel Layout



## Ordering Information

### UD100-G01 Includes

- Parani-UD100
- Stub antenna
- Quick Start Guide
- 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
- 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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