



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)

SENA