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, SDP, HCRP, LAN, OBEX FTP, OBEX OPP, OBEX BIP, BIP, AVRCP, A2DP, HSP, HFP, PAN, BPP, Headset, AVCTP, AVDTP, HDP, Find Me, Proximity, Health Thermometer, Heart Rate, HID OVER GATT 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, SDP, HCRP, LAN, OBEX FTP, OBEX OPP, OBEX BIP, BIP, AVRCP, A2DP, HSP, HFP, PAN, BPP, Headset, AVCTP, AVDTP, HDP, Find Me, Proximity, Health Thermometer, Heart Rate, HID OVER GATT
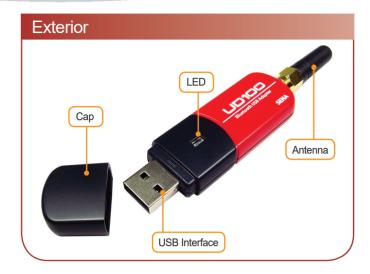
Computer OS Support
- Windows XP/Vista/7/8 (32/64bit)
- Linux (3rd party driver required)
- MAC OS X (MAC OS X driver required)

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

Operating Temperature: -40 ~ +85˚C

Storage Temperature: -40 ~ +85˚C

Humidity: 90% Non-condensing

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

Warranty: 1 year limited warranty

Exterior

Cap

LED

Antenna

USB Interface

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)

For more information,
please visit us at http://www.senanetworks.com

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