MyTek Communication Ltd.

MyTek MBT-30 Class 2 Bluetooth v2.0 mini USB Adapter

MBT-30 Bluetooth mini USB Adapter is designed to fully compatible with the Bluetooth standard v2.0.

MBT-30 will present a low-cost effective enable you to simply connect many bluetooth devices dramatically enhances communications between partners or equipment at different locations.

MBT-30 is highly integrated Bluetooth Adapter, includes Radio, Baseband, link Manager, and Host control interface.

Due to its high sensitivity, low power consumption, and low cost, **MBT-30** is suitable for numerous electronic devices, it can connect with notebook, PC host, printer , PDA and cellular phone.

Features

- Comply with the Bluetooth specification v2.0
- Class 2 RF Output Power Class, working distance greater than 10 m in free space
- FCC and CE certificated operation at 2.4GHz – 2.4835GHz ISM Band
- Provide data access via USB 2.0 interface
- Support Serial Port, Fax, Printer, Headset, PIM Item Transfer, PIM Synchronization, File Transfer, Audio Gateway, HID, Dial-Up and LAN Access profiles.
- Support maximum asynchrony transfer rate of 3 Mbps
- Supported OS: Win98SE/ME/2000/XP

Technical Specification

Product Name	MBT-30 Bluetooth mini USB Adapter (or Dongle)
Chipset	Broadcom BCM2045
Certification	FCC and CE certified
Standard	Bluetooth v2.0
Frequency Band	2.4~2.4835GHz unlicensed ISM band
Modulation Method	GFSK for 1Mbps, PI/4-DQPSK for 2Mbps; 8-DPSK for 3Mbps
Spread Spectrum	FHSS (Frequency Hopping Spread Spectrum)
Transfer rates (Max)	Max UARTbaud rates of 3 Mbps
RF Output Power	Class 2
Working distance	Greater than 10 meters in free space
Sensitivity	<-82dBm at < 0.1% BER
Antenna	PCB printing Antenna

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Power consumption	Tx Typical: 60 mA Rx Typical: 58 mA Standby Mode: 30 mA
Input power	DC 5V (via USB Port)
I/O Interface	USB
LED indicator	Power / Active
Services supported	Serial Port, Dial Up Networking, Fax, Headset, PIM Item Transfer, PIM Synchronization, File Transfer, Network Access, Audio Gateway, HID ,Printer
OS Support	Windows Win 98SE / Me / 2000 / XP
Environment	Operation temperature: 0 oC ~ + 60 oC Storage temperature: -10 oC ~ +70 oC Humidity: 5 ~ 90% non-condensing
Size	49.36 (L) x 17.99(W) x 7.55(H) mm
Weight	6.3g

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