

Class 1 / Class 2 Bluetooth V2.0 USB Adapter



The BT-510U/520U is designed to connect USB port of a desktop or laptop PC, and allows the computer to build a short-range wireless connection to other Bluetooth devices like cellular phones, PDAs, and computers. Since the transmission medium of the BT-510U/520U is air, PLANET also enhances both connection protection and data security mechanism to the product which helps people share and access trigger information. Compliant with Bluetooth specification Version 2.0 + EDR, the BT-510U/520U can provide transfer rate up to 3Mbps, which is higher than Bluetooth v1.2 device.

The BT-510U/520U provides services of virtual serial port, dial-up networking, fax, file transfer, information exchange, information synchronization, and network access. With powerful bundled software, it not difficult to implement configuration and management even there are so many functions. In addition, having capacities of most popular operating system support, including Windows 98SE, ME, 2000, XP and Server 2003, makes the application of the BT-510U/520U more flexible.

KEY FEATURE

- Compatible with Bluetooth Core Specification Version 2.0 + EDR (Enhanced Data Rate)
- Bluetooth Manager Utility eases the difficulties of configuration and management
- Data rate up to 3Mbps
- Lower power consumption through reduced duty cycle
- Simplification of multi-link scenarios due to more available bandwidth
- Backwards compatible to Bluetooth V1.1/V1.2 specifications
- Further improved BER (Bit Error Rate) performance
- Connective protection and data security enhanced mechanism
- Up to 8 devices Point-to-MultiPoint topology expands your PAN coverage
- Various services provided: Virtual Serial Port, Dial-up Networking, Fax, File Transfer, Information Exchange, Information Synchronization, and Network Access
- Multilingual support in Bluetooth utility
- Support Most popular OS: Windows 98SE, ME, 2000, XP and Server 2003

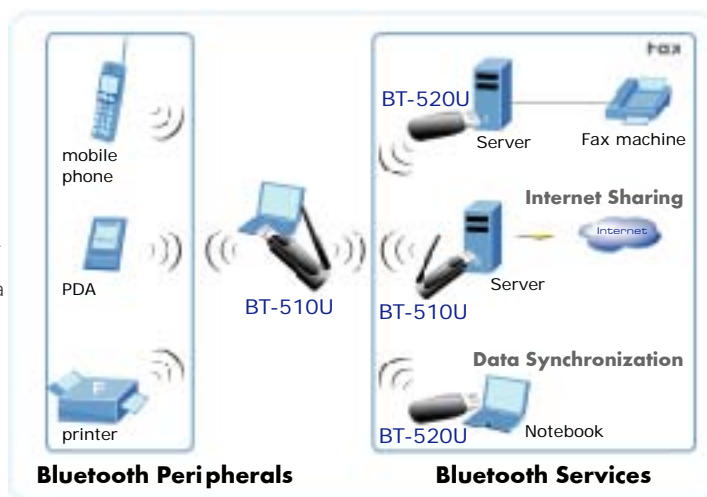
SPECIFICATION
Product Class 1 / Class 2 Bluetooth V2.0 USB Adapter

Model	BT-510U	BT-520U
Bluetooth Spec. Compliance	Bluetooth V2.0+EDR	
Transfer rates (Max)	Max UART baud rates of 3Mbps	
Operating Voltage	+5V	
USB Standard	USB 2.0	
Operating Distance	100 m in free space	10 m in free space
Antenna	2dBi PCB Antenna	0 dBi printing Antenna
Dimension (L x W x H)	73 x 29x 9.5 mm	59 x 20 x 8 mm
Power Consumption	TX: 120mA RX: 58mA Stand By: 50mA	TX: 60mA RX: 58mA Stand By: 30mA
Environment	Operation temperature: 0 ~ 60 Degree C Storage temperature: -10 ~ 70 Degree C Humidity: 5 ~ 90% non-condensing	
Radio		
Spread Spectrum	Frequency Hopping Spread Spectrum (FHSS)	
Frequency Range	2402~2483.5MHz	
RF Channels	79	
Polarization	Omni-directional	
Modulation	GFSK for 1Mbps, π /4-DQPSK for 2Mbps, 8-DPSK for 3Mbps	
Output Power	13.35dBm	1.74dBm
Receiver Sensitivity	<-85dBm at < 0.1% BER	<-80dBm at < 0.1% BER
Base Band		
Physical Links	Support of ACL link with data rate up to 3Mbps Support of SCO link	
Network Capabilities	Support of piconet point-to-point and point-to-multipoint connections	

APPLICATIONS

With Bluetooth V2.0 technology, you can easily construct a wireless PAN (Personal Area Network).

As illustration showed, the notebook with the BT-510U can communicate with a mobile phone, PDA, and other computers. If the Bluetooth server has network connection or physically attaches to a fax machine, Bluetooth clients can share these services easily. In a conference, moreover, all co-workers can obtain synchronized information via Bluetooth for reducing paperwork.


ORDERING INFORMATION

BT-510U	Class 1 Bluetooth V2.0 USB Adapter
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