



## TBW-102UB *High-Power Wireless Bluetooth USB Adapter*

TRENDnet's TBW-102UB Bluetooth USB Adapter allows you to make short-range wireless connections between your computer and Bluetooth enabled devices such as Cellular Phone, PDA, and Computer. It is compact and portable, eliminating the need for cables and physical connections between electronic devices. The Bluetooth USB Adapter transmission ensures both protection from interference and secured data transfers. Simply plug the USB Adapter into the USB port and enjoy the freedom and flexibility of Bluetooth wireless technology



### FEATURES

- ...→ Compliant with USB 1.1 and Bluetooth 1.1 Specifications
- ...→ Uses 2.4GHz ISM Frequency Band with Frequency Hopping Spread Spectrum (FHSS) Standard
- ...→ High-Speed Wireless Transmissions, up to 723Kbps Data Throughput
- ...→ Compatible with Windows 98SE/ME/2000/XP
- ...→ Allows any Computer with USB Connections to become a Bluetooth Enabled Computer
- ...→ Enables Computers to Connect to Bluetooth Printer and Bluetooth Enabled Mobile Devices (PDA and Cellular Phone)
- ...→ Built-in High Security 128-bit (WEP) Encryption for Communications between Bluetooth Devices
- ...→ Synchronize devices in Personal Area Network (PAN) Automatically to Keep Data Consistent
- ...→ Plug & Play and Easy Installation
- ...→ Connection Range Up to 100 meters (320 ft.)
- ...→ 1-Year Warranty

### BENEFITS

- ...→ **Integration Friendly:**  
Drivers support 98SE/ME/2000/XP Windows Operating Systems.
- ...→ **Economical:**  
Save time, labor, and material for network cable installation.
- ...→ **Flexible:**  
Connects PC, Laptop, Cellular Phone and PDA to share data, files and information in Personal Area Network quickly and easily.
- ...→ **Performance:**  
Data Transfer Rate up to 723 Kbps



# TBW-102UB

## High-Power Wireless Bluetooth USB Adapter

### SPECIFICATIONS

#### Adapter Standards:

- USB 1.1, Bluetooth 1.1

#### Frequency:

- 2.4 ~ 2.4835 GHz

#### Module Technique:

- Frequency Hopping Spread Spectrum (FHSS)

#### Antenna:

- 2dBi (Built-in)

#### Receiving Sensitivity:

- -77dBm (typical)

#### Data Rate:

- Up to 723 Kbps

#### Data Range:

Up to 100m (320 ft.)

#### Channel:

- 79 Selectable Channels

#### Topology:

- Point to Multi-Point (up to 8 devices totally)

#### Supported OS:

- Windows 98SE/Me/2000/XP with USB support

#### LED Indicator:

- Power

#### Operating Voltage:

- 5V DC, 200mA(max)

#### Transmitter Power:

- 15dBm(max)

#### Power Consumption:

- 130mA in Typical Mode; 200mA Max in Transmit Mode
- 68mA Max in Receive Mode; 6.3mA Max in Sleep Mode

#### Dimensions (LxWxH):

- 70 x 27 x 9 mm (2.75 x 1 x 0.35 inches)

#### Weight::

- 10 grams (0.35oz)

#### Temperature:

- Operating Temperature: 0° ~ 65° C (32° ~ 149° F)
- Storage Temperature: -20° ~ 75° C (-4° ~ 167° F)

#### Humidity:

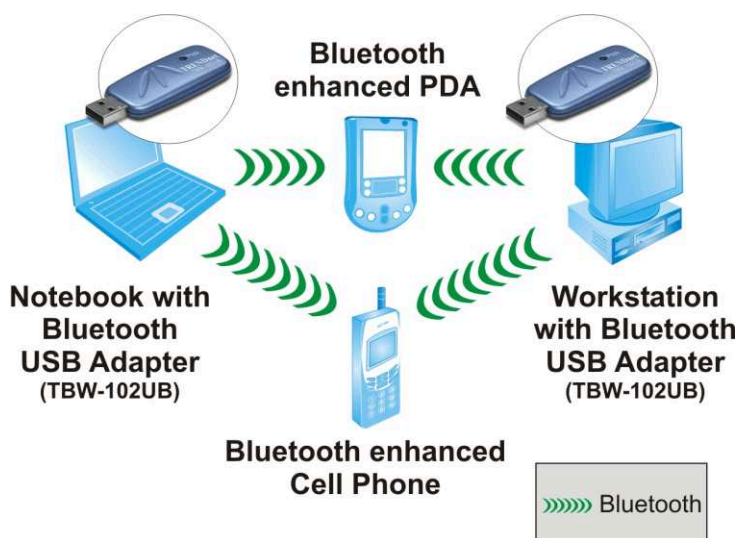
- 95% max (non-condensing)

#### Certification:

- FCC, CE



### NETWORKING SOLUTIONS



### PRODUCT INFORMATION

- TBW-102UB  
High Power Bluetooth USB Adapter
- TBW-101UB  
Bluetooth USB Adapter

### ORDERING INFORMATION



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