



## Micro N150 Wireless & Bluetooth USB Adapter

TBW-108UB (v1.0R)

- Easy setup
- N150: 150Mbps WiFi N
- Bluetooth<sup>®</sup> 4.0 class 1 radio
- Supports up to WPA2 WiFi encryption
- Concurrent Bluetooth and WiFi connectivity
- Ultra-compact design

TRENDnet's Micro N150 Wireless & Bluetooth USB Adapter, model TBW-108UB, simultaneously provides Bluetooth and WiFi connections, allowing you to concurrently connect to a WiFi network and Bluetooth devices. Conveniently download music, videos, and pictures from a wireless internet connection, and then transfer those same files seamlessly to your Bluetooth enabled phone. Enjoy wireless N performance in an ultra-compact design.



### Bluetooth 4.0

Transfer files from your computer to and from your Bluetooth enabled phone, while simultaneously connecting to your Bluetooth headset.

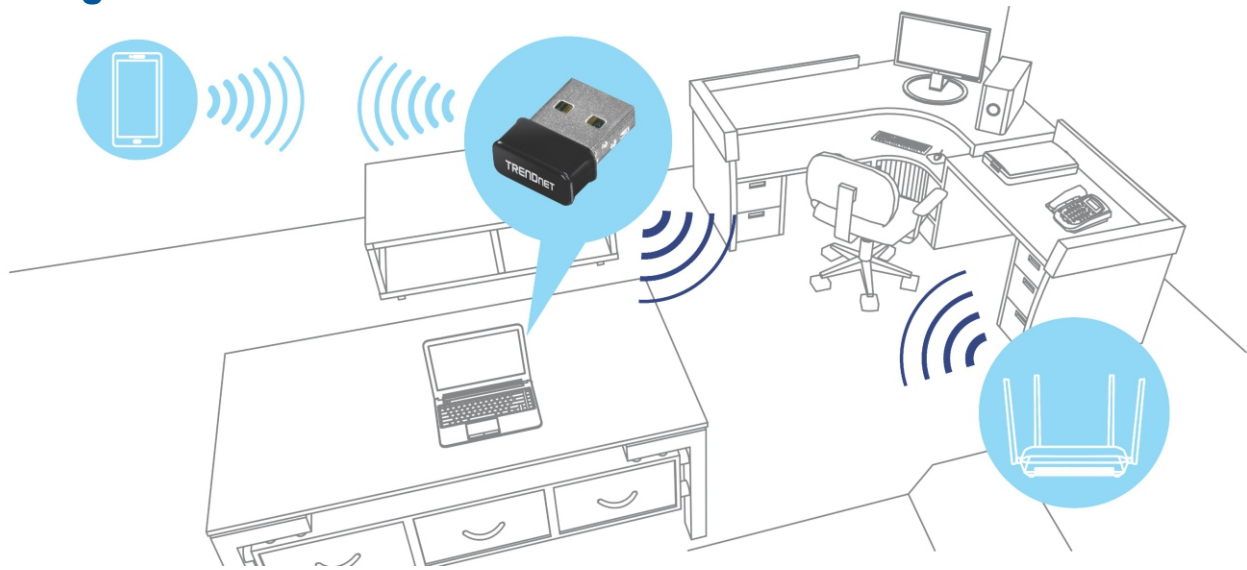
### Ultra-Compact Design

Ultra-compact design that extends less than three eighths of an inch (9mm) from the edge of a computer.

### WiFi Performance

Connect your computer to 150Mbps WiFi N network to browse online, download files, play games, and stream HD video.

## Networking Solution



### Easy Setup

Quick and easy installation with intuitive guided setup



### Wireless Encryption

Supports up to WPA2 WiFi encryption



### Stereo Audio

Experience stereo audio with Advanced Audio Distribution Profile (A2DP) support



### Ultra-Compact Design

Ultra-compact design that extends less than three eighths of an inch (9mm) from the edge of a computer.



### Energy Efficient

Bluetooth Low Energy (BLE) protocol support



### Bluetooth Device Compatibility

Backward compatible with legacy Bluetooth® devices.



### N150 WiFi

Connect your computer to 150Mbps WiFi N network to browse, download, play, and stream.

## Specifications

<b>Standards</b>	<ul style="list-style-type: none"> <li>• IEEE 802.11b</li> <li>• IEEE 802.11g</li> <li>• IEEE 802.11n</li> <li>• Class I Bluetooth® 4.0 Low Energy (BLE)</li> </ul>
<b>Hardware Interface</b>	<ul style="list-style-type: none"> <li>• USB 2.0</li> <li>• LED Indicator</li> </ul>
<b>Special Features</b>	<ul style="list-style-type: none"> <li>• Bluetooth® Low Energy (BLE)</li> <li>• Supports Bluetooth 4.0 Dual Mode: Simultaneous LE and BR/EDR</li> <li>• Class 1 Bluetooth up to 100m (328 ft.)</li> <li>• Cisco Compatible eXtensions (CCX) Support</li> </ul>
<b>Frequency</b>	<ul style="list-style-type: none"> <li>• 2.400 – 2.483GHz</li> </ul>
<b>Modulation</b>	<ul style="list-style-type: none"> <li>• 802.11b: DSSS with BPSK, QPSK CCK</li> <li>• 802.11g: OFDM with BPSK, QPSK, 16/64QAM</li> <li>• 802.11n: OFDM with BPSK, QPSK, 16/64QAM</li> </ul>
<b>Data Rate</b>	<ul style="list-style-type: none"> <li>• 802.11b: up to 11Mbps</li> <li>• 802.11g: up to 54Mbps</li> <li>• 802.11n: up to 150Mbps</li> <li>• Bluetooth: up to 25Mbps</li> </ul>
<b>Antenna</b>	<ul style="list-style-type: none"> <li>• 2.4GHz: 1 x 1 dBi (max.) internal</li> </ul>
<b>Output Power</b>	<ul style="list-style-type: none"> <li>• 802.11b: 17.5 dBm (max.) @ 11Mbps</li> <li>• 802.11g: 15.5 dBm (max.) @ 54Mbps</li> <li>• 802.11n: 13.5 dBm (max.) @ 150Mbps</li> </ul>
<b>Receiving Sensitivity</b>	<ul style="list-style-type: none"> <li>• 802.11b: -81 dBm (typical) @ 11Mbps</li> <li>• 802.11g: -67 dBm (typical) @ 54Mbps</li> <li>• 802.11n: -66 dBm (typical) @ 150Mbps</li> </ul>

<b>Encryption</b>	<ul style="list-style-type: none"> <li>• 64/128-bit WEP, WPA/WPA2-RADIUS, WPA-PSK/WPA2-PSK</li> </ul>
<b>Channels</b>	<ul style="list-style-type: none"> <li>• 1 – 11 (FCC), 1 – 13 (ETSI)</li> </ul>
<b>Power</b>	<ul style="list-style-type: none"> <li>• Consumption: 0.61W</li> </ul>
<b>WiFi Compatibility</b>	<ul style="list-style-type: none"> <li>• Windows® 10, 8.1, 8, 7, Vista</li> <li>• Mac® OS 10.12 - 10.9</li> </ul>
<b>Bluetooth Compatibility</b>	<ul style="list-style-type: none"> <li>• Windows® 10, 8.1, 7</li> </ul>
<b>Operating Temperature</b>	<ul style="list-style-type: none"> <li>• 0° – 40° C (32° – 104° F)</li> </ul>
<b>Operating Humidity</b>	<ul style="list-style-type: none"> <li>• Max. 90% non-condensing</li> </ul>
<b>Dimensions</b>	<ul style="list-style-type: none"> <li>• 19 x 15 x 7mm (0.8 x 0.6 x 0.3 in.)</li> </ul>
<b>Weight</b>	<ul style="list-style-type: none"> <li>• 2g (0.07 oz.)</li> </ul>
<b>Certifications</b>	<ul style="list-style-type: none"> <li>• CE</li> <li>• FCC</li> </ul>
<b>Warranty</b>	<ul style="list-style-type: none"> <li>• 3 year</li> </ul>

### PACKAGE CONTENTS

- TBW-108UB
- CD-ROM (Drivers & User's Guide)
- Quick Installation Guide