EDIMAX
NETWORKING PEOPLE TOGETHER

Bluetooth® 5.0
BQB Certified

Bluetooth 5.0 Nano USB Adapter

BT-8500

FEATURES

- **Bluetooth 5.0 BQB Certified + EDR**: Max speed up to 3Mbps
- **Small, Stylish Design:** World's smallest Bluetooth 5.0 Adapter.
- **Single-chip Bluetooth 5 controller**, combines a BT Protocol Stack (LM, LL, L2CAP, GATT, RFCOMM, SPP, and LE), BT Baseband, modem, and BT RF in a single chip
- **Supports dual mode (BR/EDR + LE Controllers)**, compatible with previous versions, including v2.1 + LE
- **Supports Bluetooth Low Energy (BLE)** - multiple Low Energy states
- **Supports Bluetooth classic (BDR/EDR)**
- **Supports Windows 8.1/10, Linux:** Kernel 2.6.32 - 5.3 or above (support Fedora & Ubuntu only)

OVERVIEW

The real Bluetooth 5.0 BT-8500 with BQB certification is a Nano USB adapter supports the dual mode (BR/EDR + LE). BT-8500 with EDR supports maximum 3 Mbps data rate and can be connected up to the distance of 40 meters (4 times Bluetooth 4.2).

The BT-8500 is a portable ultra-small design USB adapter, you can plug into any USB port and enjoy incredible high-speed Bluetooth 5.0, no matter when you are travelling or at home. This is for sure the trendiest piece of upgrade you can make to your Bluetooth devices.

Bluetooth 5.0 BQB Certified

The new Bluetooth 5.0 BQB certified with EDR allows the data rate to operate at 3 Mbps and thus enables higher data rates than Bluetooth 4. And the range for Bluetooth 5 for a maximum of around 40 meters which is up to four times the range of Bluetooth 4.2. You can add Bluetooth to your Windows or Linux computer to enjoy your Bluetooth speakers, headphones, keyboards, along with Bluetooth mice, keyboards and more. As the IoT expands, Bluetooth 5.0 will continue to expand across the different devices that we use day to day.

Huge Compatibility

Enables Bluetooth connectivity on devices that don't have it built in, and can pair your computer with multiple Bluetooth compatible devices, such as, Bluetooth headphones, speakers, game controllers, Bluetooth keyboard & mouse, printer, smartphone, tablet, etc..

Compact Size

The ultra-small design BT-8500 USB adapter present a compact size are ideal for any users. It is suitable for traveling or working from home.

Dual Mode

The dual mode BT-8500 Bluetooth 5.0 USB adapter is a fully integrated Bluetooth® BR/EDR and Low Energy (BLE) adapter. It is compatible with previous versions, including v2.1 + LE. For BR/EDR, it allows multiple active links in either slave mode or master mode.

SPECIFICATIONS

HARDWARE

Interface	1 x USB 2.0 Type A
Antenna	Internal PiFa Antennas x 1
Dimensions	7.1 (H) x 14.9 (W) x 17.4 (D) mm
Weight	2g

BLUETOOTH

Standard	Bluetooth 5 specification compliant
Frequency Band	2402~2480MHz
Maximum Data Speed	3Mbps (class BT-BR/EDR) : 2Mbps(BLE)
Output Power	8dB (max.)
Receiver Sensitivity	-94dBm (2Mbps EDR) -87dBm (3Mbps EDR) -98dBm (BLE) -106dBm (125K BLE long range)

OTHERS

Certification	CE, FCC, NCC, BSMI, BQB
Environmental Condition	• Operating Temperature: 32~104°F (0~40°C) • Storage Temperature: -4~140°F (-20~60°C) • Operating Humidity: 10~90% (NonCondensing) • Storage Humidity: Max. 95% (NonCondensing)
System Requirement	• Windows 8.1/10 32bit/64bit or above • Linux: Kernel 2.6.32 - 5.3 or above (support Fedora & Ubuntu only)
Installation	Easy setup wizard with auto run configuration
Package Content	• Bluetooth 5.0 USB Adapter • Quick Installation Guide

Bluetooth 5.0
BQB Certified

Bluetooth Performance

	Bluetooth **5.0 + EDR**	Bluetooth **4.2**
3X Data Rate	**3** Mbps	**1** Mbps
4X The Range	**40** Meters	**10** Meters

*Range and speed may differ depending on the testing environment.

EDIMAX
NETWORKING PEOPLE TOGETHER