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Bluetooth® BQB Certified

Bluetooth 5.4 Nano USB Adapter

BT-8530

FEATURES

- **Bluetooth 5.4 BQB Certification**: BQB Certified to ensure high compatibility and quick connections
- **Small, Stylish Design:** World's smallest Bluetooth 5.4 Adapter
- **Bluetooth LE(Low Energy) Audio:** Broadcasting and sharing one or more audio streams
- **Simultaneous dual mode (BR/EDR + LE)**: Enable different innovative applications.
- **Bluetooth Low Energy (BLE)** : Features LE (Low Energy) mode to connect battery-powered peripherals
- **LC3 Advanced Audio Codec:** LC3 (Low Complexity Communications Codec) is supported for high audio quality, low latency, and extended battery life

OVERVIEW

The Bluetooth 5.4 BT-8530 is a Nano USB adapter supports the dual mode (BR/EDR + LE) simultaneously.

Bluetooth LE Audio enables an audio source device to broadcast one or more audio streams to an unlimited number of audio sink devices. Broadcast audio opens significant new opportunities for innovation, including the enablement of a new Bluetooth capability

The BT-8530 is a portable ultra-small design USB adapter, you can plug into any USB port and enjoy incredible high-speed Bluetooth 5.4, 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 5.4 BQB Certified
The new Bluetooth 5.4 with EDR allows the data rate to operate at 3 Mbps and thus enables higher data rates than 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 5.4 will continue to expand across the different devices that we use day to day.

Broadcast Audio via Bluetooth LE Audio
LE Audio enables an audio source device to broadcast one or more audio streams to an unlimited number of audio sink devices. Broadcast audio opens significant new opportunities for innovation, including the enablement of a new Bluetooth capability,

LC3 Advanced Audio Codec
Experience next-level wireless audio with advanced technology integration. Supports LC3 (Low Complexity Communications Codec) for high audio quality, low latency, and extended battery life. Whether you're gaming, streaming, or on a call, enjoy crystal-clear sound and a seamless connection.

Simultaneous Classic BR/EDR and LE
The dual mode BT-8530 Bluetooth 5.4 USB adapter is a fully integrated Bluetooth® BR/EDR and Low Energy (BLE) adapter. It is compatible with previous versions, including v2.1 + LE. A Classic BR/EDR link and a LE link can be enabled simultaneously. BT-8530 provides embedded system developers with a versatile set of full-stack, fit-for-purpose solutions to meet the ever-expanding needs for wireless connectivity.

SPECIFICATIONS

HARDWARE	
Interface	1 x USB 2.0 Type A
Antenna	1 x Internal PIFA
Antenna Gain	2.3dBi (max.)
Dimensions	7.1 (H) x 14.9 (W) x 17.4 (D) mm
Weight	2g

BLUETOOTH		
Standard		Bluetooth 5.4
Frequency Band		2402~2480MHz
Maximum Data Speed		3Mbps (Class BR/EDR) ; 2Mbps(BLE)
LE Audio	Audio Codec	LC3 (Low Complexity Communications Codec)
	Audio Broadcasting	Supported
Channel Selection Algorithm #2 (CSA #2)		Supported
RX Sensitivity		• -94 dBm (2Mbps EDR) • -87 dBm (3Mbps EDR) • -99.2dBm (1Mbps BLE) • -95 dBm (2Mbpa BLE)

TX Sensitivity		• Classic
		    • BR: 10 dBm
		    • EDR: 10 dBm
		• BLE: 10 dBm

OTHERS	
Operating System Supported	Win 10/11 Linux kernel: 2.6.32 -~6.5.5 Fedora : 4.13.9~5.17.5 Ubuntu : 3.19~5.8 *Additional version information may be announced on the EDIMAX website.
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)
Certification	BQB, CE, FCC, NCC, BSMI, SRRC

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Edimax Technology Co., Ltd
No. 278, Xinhu 1st Rd., Neihu Dist.,
Taipei City, Taiwan
Email: sales@edimax.com.tw

Edimax Technology Europe B.V.
Fijenhof 2, 5652 AE Eindhoven,
The Netherlands
Email: sales@edimax.nl

Edimax Computer Company
530 Technology Drive Suite 100, Irvine
CA 92618, USA
Email : sales@edimax.com