

USB Bluetooth 5.3 Class 1 Adapter Dongle for PC/Laptop, Long-Range Connectivity for Keyboard, Mouse, Audio Streaming and PAN Networking, Windows/Linux

Product ID: AV53C1-USB-BLUETOOTH



This Class 1 USB Bluetooth Adapter with EDR/BLE adds Bluetooth 5.3 capabilities to a laptop or desktop computer. This adapter enables a connection to multiple Bluetooth 5.3 peripherals, with data transfer rates of 2Mbps. The adapter supports a wireless connection with multiple devices, using minimal power consumption, at distances of up to 328ft (100m).

This USB Bluetooth Adapter makes it easy to add Bluetooth capabilities and connect a wide range of wireless Bluetooth devices. The detachable, omni-directional antenna enhances range by transmitting a signal with higher power and receiving a signal with reduced noise/interference.

This adapter supports A2DP (Advanced Audio Distribution Profile) for high-quality audio streaming to headphones and speakers, plus Bluetooth PAN (Personal Area Network) for wireless file sharing and internet tethering. It features Enhanced Data Rate (EDR) and Bluetooth Low Energy (BLE), for optimized battery efficiency. Plug-and-play installation for PCs/computers running Windows 7/8/10/11 or Linux with Kernel 5.19.0 and up ensures that installation and deployment is quick and straightforward. All these features are packed into a compact and unintrusive design.

Certifications, Reports and Compatibility



Applications

- Add Bluetooth 5.3 capabilities to a laptop or desktop computer with this USB Bluetooth adapter

Features

- **UPGRADE TO BLUETOOTH 5.3:** Upgrade your desktop or laptop with Bluetooth 5.3 Class 1 and connect to multiple devices, including keyboards, mice, headphones, smartphones, and more, with 2Mbps transfer speeds and low power consumption
- **EXTENDED WIRELESS RANGE:** Experience a stable Bluetooth connection up to 328ft (100m) in open environments; The omni-directional antenna enhances signal strength and reduces noise/interference for smoother data transfer and streaming
- **ADVANCED BLUETOOTH PROFILES:** Supports A2DP (Advanced Audio Distribution Profile) for high-quality audio streaming to headphones and speakers, plus Bluetooth PAN (Personal Area Network) for wireless file sharing and internet tethering
- **OPTIMIZED PERFORMANCE:** Supports Bluetooth BDR/EDR for faster data rates up to 2Mbps and Bluetooth Low Energy (BLE) for power-efficient connections without draining battery life
- **PLUG AND PLAY:** Built with the RTL8761BUE chipset, this Bluetooth dongle offers native support for Windows 7/8/10/11 and Linux Kernel 5.19.0+; Backwards compatible with Bluetooth 4.0, 3.0, 2.0, and 1.0

Hardware

Warranty	2 Years
Antenna Configuration	1x 5dBi Omnidirectional Antenna
Industry Standards	USB 2.0
	Bluetooth 5.3
	Class 1
	BDR Basic data rate
	EDR Enhanced data rate
	BLE Bluetooth low energy
Chipset ID	Realtek - RTL8761BUE

Performance

Maximum Data Transfer Rate	2 Mbps
Max Distance	100m [328ft]
Frequency Range	2402 - 2480MHz

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Connector(s)		
	Connector Type(s)	1 - USB 2.0 Type-A
		1 - Bluetooth Class 1.0
Software		
	OS Compatibility	Windows Vista, 7, 8, 8.1, 10, 11
		Kernel 5.19.0 and up
Special Notes / Requirements		
	System and Cable Requirements	Available USB type-A port
Indicators		
	LED Indicators	1 - Single Power LED
		Solid Green indicates it's receiving power
Power		
	Power Source	USB-Powered
Environmental		
	Operating Temperature	-10C ~ 50C (14F to 122F)
	Storage Temperature	-40C ~ 70C (-40F to 158F)
	Humidity	5% ~ 95% RH
Physical Characteristics		
	Color	Black
	Form Factor	Dongle
	Material	Plastic
	Product Length	1.8 in [45 mm]
	Product Width	0.7 in [18.3 mm]
	Product Height	0.4 in [10 mm]
	Weight of Product	0.8 oz [22 g]

Packaging Information

Package Length	0.9 in [2.2 cm]
Package Width	8.0 in [20.3 cm]
Package Height	5.1 in [13.0 cm]
Shipping (Package) Weight	2.5 oz [70.0 g]

What's in the Box

Included in Package	1 - USB to Bluetooth V5.3 Adapter
	1 - Quick-Start Guide

****Product appearance and specifications are subject to change without notice.***