

# Mini USB Bluetooth 4.0 Adapter - 50m (165ft) Class 1 EDR Wireless Dongle

Product ID: USBBT1EDR4



The USBBT1EDR4 USB to Class 1 Mini Bluetooth® Dongle lets you add Bluetooth wireless capabilities to a laptop or desktop computer through USB, with support for transfer distances of up to 50m (165ft).

Compliant with Bluetooth 4.0 LE +EDR , the USB Bluetooth adapter offers data transfer rates up to 3 Mbps and low power consumption. This Bluetooth Smart Ready transceiver is an effective way to connect to a rapidly growing list of the Bluetooth Smart peripherals on the market, including the latest Apple® and Android $^{\text{TM}}$  smartphones and tablets. Bluetooth v4.0 also integrates added security for all transfers using 128-bit AES encryption.

A conveniently portable device, this ultra-compact adapter is unobtrusive when connected to your laptop, so you won't have to remove it each time you store your laptop in a carrying case or bag. The adapter is also backward compatible with previous Bluetooth standards (v3.0, 2.0, 1.2 and 1.1) to ensure connectivity with all of your Bluetooth devices.

Backed by a StarTech.com 2-year warranty and free lifetime technical support.





## Certifications, Reports and Compatibility









#### **Applications**

- Connect Bluetooth peripherals such as keyboard/mouse or smart phones to your computer system
- Reduce cable clutter by using wireless Bluetooth devices (such as keyboard/mouse) instead of traditional wired devices
- Connect peripherals wirelessly to a computer in a remote/secure location
- Connect peripherals in an industrial setting where the computer can be kept away from the work areas

#### **Features**

- Bluetooth® 4.0 LE compliant Bluetooth Smart Ready transceiver
- Class 1 device with 50m (165ft) effective range
- Support for Enhanced Data Rate (EDR) with data transfer rates up to 3 Mbps
- Low power consumption
- Ultra-compact form factor
- Backward compatible with Bluetooth v3.0, 2.0, 1.2 and 1.1 devices
- Power / Linking / Standby LED indicator



## **Data Sheet**

Hardware         Bus Type         USB 2.0           Chipset ID         CSR8510A10           Performance         Frequency         2.402-2.48CH2 ISM Band           Max Distance         50 m / 165 ft           Maximum Data Transfer Rate         3 Mbps           Modulation         GFSK, p/A DQPSK, 8DPSK           MTBF         1.2,000 Hours           Connector(s)         Connector Type(s)         1 - Bluetooth Class 1.0           1 - USB Type-A (4 pin) USB 2.0 Male           Software         OS Compatibility         Windows@ XP, Vista, 7, 8, 8.1, 10           Windows@ XP, Vista, 7, 8, 8.1, 10         Windows@ XP, Vista, 7, 8, 8.1, 10           Special Notes / Requirements         Available USB port           Special Notes / Requirements         Available USB port           Indicators         LED Indicators         1 - Power / Standby / Link           Power         Power Source         USB-Powered           Environmental         Humidity         0 - 75% RH           Operating Temperature         1.0°C to 50°C (14°F to 122°F)           Storage Temperature         2.0°C to 70°C (-4°F to 158°F)           Physical Characteristics         Enclosure Type         Plastic           Product Height         0.3 in [0.8 cm]           Product Width			
Chipset ID		Warranty	2 Years
Performance   Frequency   2.402-2.48GHz ISM Band     Max Distance   50 m / 165 ft     Maximum Data Transfer Rate   3 Mbps     Modulation   GFSK,p/4 DQPSK, 8DPSK     MTBF   12,000 Hours     Connector Type(s)   1 - Bluetooth Class 1.0     1 - USB Type-A (4 pin) USB 2.0 Male     Software   OS Compatibility   Windows® XP, Vista, 7, 8, 8.1, 10 windows Server® 2003, 2008 R2, 2012, 2016, 2019     Mac OS 9x, 10.6 to 10.15     Special Notes / Requirements   LED Indicators   1 - Power / Standby / Link     Power   Power Source   USB-Powered     Environmental   Humidity   0~75% RH     Operating Temperature   -10°C to 50°C (14°F to 122°F)     Storage Temperature   -20°C to 70°C (-4°F to 158°F)     Physical Characteristics   Product Height   0.3 in [0.8 cm]     Product Length   0.9 in [21.9 mm]     Product Width   0.6 in [14.4 mm]     Weight of Product   0.3 in [33 mm]     Packaging Information   Package Length   2.3 in [13.4 cm]     Packaging Information   Package Width   0.6 in [17.3 cm]	Hardware	Bus Type	USB 2.0
Performance Frequency Axi Distance Max Distance Max Distance Modulation MTBF  Connector Type(s)  Software  Connector Type(s)  Software  Conpatibility  Mindows® XP, Vista, 7, 8, 8.1, 10 Windows® XP, Vista, 7, 8, 8, 1, 10 Window		Chipset ID	CSR8510A10
Max Distance 50 m / 165 ft Maximum Data Transfer Rate 3 Mbps Modulation GFSK,p/4 DQPSK, 8DPSK MTBF 12,000 Hours  Connector(s) 7 Connector Type(s) 1 - Bluetooth Class 1.0 1 - USB Type-A (4 pin) USB 2.0 Male  Software 0S Compatibility Windows® XP, Vista, 7, 8, 8.1, 10 Windows® XP, Vista, 7, 8, 8.1, 10 Windows® SP, Vista, 7, 8, 8.1, 10 Windows® XP, Vista, 7, 8, 8.1, 10 Windows® XP		Industry Standards	Bluetooth v4.0, v3.0, EDR
Maximum Data Transfer Rate Modulation GFSK,p/4 DQPSK, 8DPSK MTBF 12,000 Hours  Connector(s) Connector Type(s) 1 - Bluetooth Class 1.0 1 - USB Type-A (4 pin) USB 2.0 Male  Software OS Compatibility Windows® XP, Vista, 7, 8, 8.1, 10 Windows® XP, Vista, 7, 8, 8.1, 10 Windows® Server® 2003, 2008 R2, 2012, 2016, 2019 Mac OS 9.x, 10.6 to 10.15  Special Notes / Requirements  Indicators LED Indicators 1 - Power / Standby / Link  Power Power Source USB-Powered USB-Powered Operating Temperature 1-0°C to 50°C (14°F to 122°F) Storage Temperature 2-0°C to 70°C (-4°F to 158°F)  Physical Characteristics Finclosure Type Plastic Product Height Product Length Product Length Product Length Product Width Weight of Product 0 o oz [0 g]  Packaging Information Package Length Package Length Package Width 6.8 in [13.4 cm]	Performance	Frequency	2.402-2.48GHz ISM Band
Modulation GFSK,p/4 DQPSK, 8DPSK MTBF 12,000 Hours  Connector(s) Connector Type(s) 1 - Bluetooth Class 1.0 1 - USB Type-A (4 pin) USB 2.0 Male  Software OS Compatibility Windows Server® 2003, 2008 R2, 2012, 2016, 2019 Mac OS 9.x, 10.6 to 10.15  Special Notes / Requirements Available USB port  Requirements 1 - Power / Standby / Link  Power Power Operating Temperature USB-Powered  Environmental Humidity 0~75% RH Operating Temperature -10°C to 50°C (14°F to 122°F) Storage Temperature -20°C to 70°C (-4°F to 158°F)  Physical Characteristics Enclosure Type Plastic Product Height 0.3 in [0.8 cm] Product Length 0.9 in [21.9 mm] Product Width 0.6 in [14.4 mm] Weight of Product 0 0 oz [0 g]  Packaging Information  Package Length 5.3 in [13.4 cm] Package Width 6.8 in [17.3 cm]		Max Distance	50 m / 165 ft
Connector(s)MTBF12,000 HoursConnector(s)Connector Type(s)1 - Bluetooth Class 1.0 1 - USB Type-A (4 pin) USB 2.0 MaleSoftwareWindows® XP, Vista, 7, 8, 8.1, 10 Windows Server® 2003, 2008 R2, 2012, 2016, 2019 Mac OS 9.x, 10.6 to 10.15Special Notes / RequirementsSystem and Cable RequirementsAvailable USB portIndicatorsLED Indicators1 - Power / Standby / LinkPowerPower SourceUSB-PoweredEnvironmental Humidity0~75% RH Operating Temperature-10°C to 50°C (14°F to 122°F) Storage TemperaturePhysical CharacteristicsEnclosure TypeBlackEnclosure TypePlasticProduct Height0.3 in [0.8 cm]Product Height0.9 in [21.9 mm]Product Width Weight of Product0.0 c [0 g]Packaging InformationPackage Height1.3 in [33 mm]Package Length Package Width5.3 in [13.4 cm]Package Width6.8 in [17.3 cm]		Maximum Data Transfer Rate	3 Mbps
Connector(s) Connector Type(s) 1 - Bluetooth Class 1.0 1 - USB Type-A (4 pin) USB 2.0 Male  Software OS Compatibility Windows® XP, Vista, 7, 8, 8.1, 10 Windows Server® 2003, 2008 R2, 2012, 2016, 2019  Available USB port Windows® XP, Vista, 7, 8, 8.1, 10 Windows Server® 2003, 2008 R2, 2012, 2016, 2019  Available USB port Windows Server® 2003, 2008 R2, 2012, 2016, 2019  Available UsB port Windows Server® 2003, 2008 R2, 2012, 2016, 2019  Available UsB port Windows Server® 2003, 2008 R2, 2012, 2016, 2019  Available UsB port Windows Server® 2003, 2008 R2, 2012, 2016, 2019  Available UsB port  Available		Modulation	GFSK,p/4 DQPSK, 8DPSK
Software  OS Compatibility  Windows® XP, Vista, 7, 8, 8.1, 10 Windows® XP, Vista, 7, 8, 8.1, 10 Windows® Server® 2003, 2008 R2, 2012, 2016, 2019 Mac OS 9.x, 10.6 to 10.15  Special Notes / Requirements  Indicators  LED Indicators  LED Indicators  1 - Power / Standby / Link  Power  Power Source  USB-Powered  Humidity  0~75% RH  Operating Temperature  -10°C to 50°C (14°F to 122°F) Storage Temperature  -20°C to 70°C (-4°F to 158°F)  Physical Characteristics  Enclosure Type Product Height Product Length Product Length 0.3 in [0.8 cm] Product Width 0.6 in [14.4 mm]  Weight of Product  Weight of Product  Package Height 1.3 in [33 mm]  Package Length Package Width 0.8 in [17.3 cm]		MTBF	12,000 Hours
Software  OS Compatibility  Windows® XP, Vista, 7, 8, 8.1, 10 Windows Server® 2003, 2008 R2, 2012, 2016, 2019 Mac OS 9.x, 10.6 to 10.15  Special Notes / Requirements  Indicators  LED Indicators  1 - Power / Standby / Link  Power  Power Source  USB-Powered  Humidity  0~75% RH  Operating Temperature  -10°C to 50°C (14°F to 122°F)  Storage Temperature  -20°C to 70°C (-4°F to 158°F)  Physical Characteristics  Enclosure Type Product Height  0.3 in [0.8 cm]  Product Length  Product Width  Weight of Product  0 oz [0 g]  Packaging Information  Package Length  Package Width  0.8 in [13.4 cm]  Package Width  1.3 in [33 mm]  Package Width  6.8 in [17.3 cm]	Connector(s)	Connector Type(s)	1 - Bluetooth Class 1.0
Special Notes / Requirements       System and Cable Requirements       Available USB port         Indicators       LED Indicators       1 - Power / Standby / Link         Power       Power Source       USB-Powered         Environmental       Humidity       0~75% RH         Operating Temperature       -10°C to 50°C (14°F to 122°F)         Storage Temperature       -20°C to 70°C (-4°F to 158°F)         Physical Characteristics       Enclosure Type       Plastic         Product Height       0.3 in [0.8 cm]       Product Length       0.9 in [21.9 mm]         Product Width       0.6 in [14.4 mm]       Weight of Product       0 oz [0 g]         Packaging Information       Package Height       1.3 in [33 mm]       In [13.4 cm]         Package Width       6.8 in [17.3 cm]			1 - USB Type-A (4 pin) USB 2.0 Male
Requirements         Indicators       LED Indicators       1 - Power / Standby / Link         Power       Power Source       USB-Powered         Environmental       Humidity       0~75% RH         Operating Temperature       -10°C to 50°C (14°F to 122°F)         Storage Temperature       -20°C to 70°C (-4°F to 158°F)         Physical Characteristics       Enclosure Type       Plastic         Product Height       0.3 in [0.8 cm]         Product Length       0.9 in [21.9 mm]         Product Width       0.6 in [14.4 mm]         Weight of Product       0 oz [0 g]         Packaging Information       Package Height       1.3 in [33 mm]         Package Length       5.3 in [13.4 cm]         Package Width       6.8 in [17.3 cm]	Software	OS Compatibility	Windows Server® 2003, 2008 R2, 2012, 2016, 2019
Power Source USB-Powered  Environmental Humidity 0~75% RH Operating Temperature -10°C to 50°C (14°F to 122°F) Storage Temperature -20°C to 70°C (-4°F to 158°F)  Physical Characteristics Enclosure Type Plastic Product Height 0.3 in [0.8 cm] Product Length 0.9 in [21.9 mm] Product Width 0.6 in [14.4 mm] Weight of Product 0 oz [0 g]  Packaging Information Package Height 1.3 in [33 mm]  Package Width 6.8 in [17.3 cm]		System and Cable Requirements	Available USB port
Environmental Humidity Operating Temperature Operating Temperature Storage Temperature -10°C to 50°C (14°F to 122°F) -20°C to 70°C (-4°F to 158°F)  Physical Characteristics Enclosure Type Plastic Product Height O.3 in [0.8 cm] Product Length O.9 in [21.9 mm] Product Width O.6 in [14.4 mm] Weight of Product Veight of Product Veight of Product Packaging Information Package Height 1.3 in [33 mm] Package Undth O.8 in [17.3 cm]	Indicators	LED Indicators	1 - Power / Standby / Link
Operating Temperature -10°C to 50°C (14°F to 122°F) Storage Temperature -20°C to 70°C (-4°F to 158°F)  Physical Characteristics  Enclosure Type Plastic Product Height 0.3 in [0.8 cm] Product Length 0.9 in [21.9 mm] Product Width 0.6 in [14.4 mm] Weight of Product 0 oz [0 g]  Packaging Information  Package Height 5.3 in [13.4 cm] Package Width 6.8 in [17.3 cm]	Power	Power Source	USB-Powered
Physical Characteristics  Color  Enclosure Type Product Height Product Length Product Width Weight of Product  Packaging Information  Storage Temperature  -20°C to 70°C (-4°F to 158°F)  Black  Black Plastic  0.3 in [0.8 cm] 0.9 in [21.9 mm] 0.6 in [14.4 mm] 0.6 in [14.4 mm]  Veight of Product  1.3 in [33 mm]  Package Height Package Length Package Width  6.8 in [17.3 cm]	Environmental	Humidity	0~75% RH
Physical CharacteristicsColorBlackEnclosure TypePlasticProduct Height0.3 in [0.8 cm]Product Length0.9 in [21.9 mm]Product Width0.6 in [14.4 mm]Weight of Product0 oz [0 g]Packaging InformationPackage Height1.3 in [33 mm]Package Length5.3 in [13.4 cm]Package Width6.8 in [17.3 cm]		Operating Temperature	-10°C to 50°C (14°F to 122°F)
Characteristics  Enclosure Type Plastic  Product Height 0.3 in [0.8 cm] Product Length 0.9 in [21.9 mm] Product Width Weight of Product 0 oz [0 g]  Packaging Information Package Length Package Width 6.8 in [17.3 cm]		Storage Temperature	-20°C to 70°C (-4°F to 158°F)
Product Height 0.3 in [0.8 cm]  Product Length 0.9 in [21.9 mm]  Product Width 0.6 in [14.4 mm]  Weight of Product 0 oz [0 g]  Packaging Information  Package Length 5.3 in [13.4 cm]  Package Width 6.8 in [17.3 cm]	-	Color	Black
Product Length 0.9 in [21.9 mm] Product Width 0.6 in [14.4 mm] Weight of Product 0 oz [0 g]  Packaging Information Package Length 5.3 in [33 mm] Package Width 6.8 in [17.3 cm]		Enclosure Type	Plastic
Product Width 0.6 in [14.4 mm] Weight of Product 0 oz [0 g]  Packaging Information Package Height 1.3 in [33 mm] Package Length 5.3 in [13.4 cm] Package Width 6.8 in [17.3 cm]		Product Height	0.3 in [0.8 cm]
Weight of Product 0 oz [0 g]  Packaging Information  Package Height  Package Length  Package Width  6.8 in [17.3 cm]		Product Length	0.9 in [21.9 mm]
Packaging Information Package Height  Package Length Package Width  1.3 in [33 mm]  5.3 in [13.4 cm]  Package Width  6.8 in [17.3 cm]		Product Width	0.6 in [14.4 mm]
Information  Package Length 5.3 in [13.4 cm]  Package Width 6.8 in [17.3 cm]		Weight of Product	0 oz [0 g]
Package Width 6.8 in [17.3 cm]		Package Height	1.3 in [33 mm]
		Package Length	5.3 in [13.4 cm]
Shipping (Package) Weight 2.6 oz [74 g]		Package Width	6.8 in [17.3 cm]
		Shipping (Package) Weight	2.6 oz [74 g]



## **Data Sheet**

What's in the Box Included in Package 1 - USB Bluetooth Adapter

1 - Instruction Manual

Product appearance and specifications are subject to change without notice.