

BLE USB - Bluetooth Low Energy SPP USB Adapter

Serial data transmission via Bluetooth Low Energy



LinTech's BLE USB Adapter is a Bluetooth USB Adapter for the transfer of serial data via a Bluetooth Low Energy connection with a range of up to 100 m. Due to the simple installation and the high range, the adapter is particularly suitable for industrial applications. The adapter operates according to a Bluetooth Low Energy Profile specially developed by LinTech for the transmission of serial data with a data throughput of max. 115 kbps. The adapter is recognized via USB as standard USB to serial converter, no installation of Bluetooth driver software is required.

It provides a serial interface (COM port) for communication with the remote terminal. The adapter works as BLE Central as well as BLE Peripheral. The mode can be changed by software.

A status LED indicates all important operating statuses and modes. The configuration of the serial parameters and other settings such as advertising or scan interval etc. can be performed via a Windows configuration software or with the help of a terminal program via AT commands.

Properties

Standards

- Bluetooth 4.0
- USB 2.0

Max data rate

- 115 kbps

Frequency range

- 2.402 ~ 2.480GHz

Transmitting power

- +9 dbm

Reception sensitivity

- -87dBm

Status indication via LED

- Mode (Central/Peripheral)
- Connection status
- Ready for operation
- Data transmission

Range of coverage in free field

- 70-100m

Driver software

- FTDI(FT232R) serial USB driver at:
(<http://www.ftdichip.com/Drivers/VCP.htm>)
No Bluetooth driver software required.

Supported Bluetooth Profile

- LinTech BLE SPP Profil

Questions about this product?
Frau Susanne Meinel
Tel.: +49 (30) 54 94 72 61
E-Mail sam@litech.de


MADE IN GERMANY

Supported Operating Systems

- Windows 8
- Windows 7
- Windows 7 x64
- Windows Server 2008
- Windows Server 2008 x64
- Windows Vista
- Windows Vista x64
- Windows Server 2003
- Windows Server 2003 x64
- Windows 2000
- Linux
- Mac OS X
- Mac OS 9
- Mac OS 8
- Windows CE.NET (Version 4.2 and higher)

Environmental conditions

- Operating temperature: -20°C ~ +75°C
- Storage temperature: -30°C ~ +85°C

Dimensions

- 57x20x10 mm

Approvals

- CE
- Bluetooth SIG

The device is optionally also available as BLE Sniffer. In this case, the advertising data of found devices are transparently output via the USB interface.

Order details

Label: BLE USB
Article number: 1509-USB

Scope of delivery

BLE USB Adapter
Description how to use



LinTech GmbH Kommunikationstechnologien
Friedrich-Engels-Straße 35, D -13156 Berlin
Phone +49 (030) 54 94 72 60
Fax +49 (030) 54 94 72 44
eMail LinTech@LinTech.de
<http://www.LinTech.de>