

Firmware Features

- Embedded Bluetooth Serial Port Profile (SPP)
- No Bluetooth Stack Required
- USB Virtual COM Port Communications
- AT Command Interface Using UART
- Remote Command Mode
- Custom Firmware Available

Hardware Features

- KC-1114 BlueData Module
- Bluetooth v3.0
- 2.4GHz Class 1 Radio
- Dual RF Amplifier, Combo PA/LNA
- SiLabs CP2102 USB-UART Bridge Chip
- Transmitter Gain +18dBm
- Receiver Gain +12dBm



45.8mm x 20.3mm x 11.1mm



Applications

- Serial Cable Replacement
- Remote Sensors
- Medical Monitoring
- Bar Code Readers

Description

A fully embedded Bluetooth Serial Port Profile adapter. No Bluetooth stack required on the PC. Operates identically on any Operating System. A SiLabs USB-UART bridge chip provides Microsoft certified device drivers, installed automatically upon insertion. The drivers provide a virtual COM port via USB cable to access the KC-4134 module UART interface.

The KC-4134 is intended for customer solutions where a fully embedded, long range Bluetooth experience is desired, and cost effective. Because the KC-4134 Serial Adapter relies on widely supported SiLabs Virtual Com port, connection and data access can be easily operated from custom programs, and entirely eliminates technical support problems related to built-in Bluetooth drivers, Bluetooth dongle drivers, and operating system upgrades that can negatively affect multiple Bluetooth stacks, drivers and operation.

Our new KC-4134 USB Serial Adapter is functionally identical to the previous KC-4132. They both deploy identical Bluetooth chipsets and firmware. The KC-4134 deploys our KC-1114 Class 1 BlueData Module, replacing the KC-22 BlueData Module with external class 1 RF circuitry.

The Virtual Com port drivers are usually automatically installed when the KC-4134 is inserted. If not, drivers and installation information is available from SiLabs.

CP2102 Usb-Uart interface chip

<https://www.silabs.com/products/mcu/Pages/USBtoUARTBridgeVCPDrivers.aspx>

Please refer to our kcSerial User Guide for firmware commands and operations.

Ordering Information

Product Series	KC-4134
Product Version	1
Country of Manufacture	USA
Order Part Number	Description
KC-4134	Class 1 Bluetooth USB Serial Adapter w/ kcSerial v3.0 Standard Firmware
KC-4134-FW	Class 1 Bluetooth USB Serial Adapter, w/ Custom Firmware

Contact Information

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