



KTSSYSTEME



Bluetooth® Reader

BTR1356-002

The KTS Bluetooth® Reader is a hand-held wireless RFID reader/writer designed for use in challenging environments. The dust and water resistant housing, along with the optional drop-tested bump cover, allow for robust, reliable performance in any usage scenario.

The Bluetooth® Reader is fitted with a high performance antenna capable of reading and writing all common transponder sizes, as well as particularly small transponders and even those embedded within solid metal. Alternative antenna options, such as a non-protruding integrated antenna or standard RF connectors for external antennas, are available upon request.

The power-sipping ePaper display, combined with the high-capacity lithium polymer battery, allows for long runtimes between charges, which are made easy with the standard Micro-USB jack and support for Qi Wireless Charging.

The device can be used as a standalone reader/writer, in conjunction with a Bluetooth® end device such as a PC, smartphone or tablet, or connected to via USB for unparalleled flexibility and performance. The Bluetooth® Reader can be operated either in CDC Virtual COM Port mode, which allows extensive control of all parameters via a simple AT-style instruction set, or in HID Virtual Keyboard mode. The latter allows native support of all common desktop and mobile operating systems without the need for additional drivers.

The reader is highly configurable, either through AT commands in CDC mode, or through the KTS Tag2Image RFID Asset Management System.

Technical Specifications

Product type	HF RFID reader/writer			
Operating frequency	13.56 MHz			
Antenna	Integrated high performance ferrite core antenna			
RF output power	+23dBm / 200 mW			
Power supply	Integrated 2000mAh lithium polymer battery			
Power consumption	55mA in standby Up to 250mA when reading/writing			
Battery life	365+ days in standby 20h in regular usage 8h in intensive usage			
Charging time	2-5h Up to 1A charging current via wireless charging and USB			
Display	200x96 px B/W ePaper Display			
Connection options	USB Micro-B Bluetooth® 2.1+ EDR			
Connection modes	HID virtual keyboard mode CDC virtual serial port mode			
RFID standard support	Standard: HID mode: CDC mode:	ISO 15693 Yes (UID + Data) Yes	ISO 14443A Yes (UID only) Yes	ISO 14443B Yes (PUPI only) Yes
Anticollision	Supported			
CDC instruction set	Extensive AT-style command set for scanning, reading and writing tags			
On-board memory	Integrated flash memory for timestamped data storage			
Dust and water resistance	IP54 protection rating			
Product certifications	CE (R&TTE), Bluetooth® SIG			
Dimensions	171.5 x 46 x 28.2 mm [LxWxH]			
Weight	150g			
Order number	BTR1356-002: KTS Bluetooth® Reader with high-performance ferrite core antenna Alternative antenna configurations available on request			