KTS 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 KTS 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 a USB device for unparalleled flexibility and performance. The KTS 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	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		ISO 15693	ISO 14443A	ISO 14443B
	Standard:			
	HID mode:	Yes (UID + Data)	Yes (UID only)	Yes (PUPI only)
	CDC mode:	Yes	Yes	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	200g
Order number	BTR1356-002: KTS Bluetooth® Reader with high-performance ferrite core antenna Alternative antenna configurations available on request