

Data sheet

RFID Bluetooth Reader

Article No.: BTR1356-XXX



Figure 1 – KTS Bluetooth Reader with waterproof body housing

Description:

The KTS Bluetooth Reader allows you to apply even in the most demanding RFID applications in a challenging environment. Thanks to the fully waterproof housing – manufactured to IP67 standard – there are virtually no limits to the use of the BTR1356. The KTS Bluetooth RFID Reader includes a built-in ferrite bar antenna for the scanning of very small transponders.

The RFID Reader appears as a virtual COM port and is supported by all major operating systems. An “AT” command set grants for easy control from your RFID application. The KTS Bluetooth RFID Reader supports transponders according to the standard ISO15693 and ISO14443A / B. By the configuration software the reader can be switched to a HID mode in which a keyboard is emulated. The selected setting is permanent, even when turned off the reader maintains the setting until the next change.

Technical Data:

Technical Specifications

Product type	HF RFID Reader, wireless			
Operating frequency	13,56MHz			
Antenna connection	- integrated ferrite rod antenna			
HF-Output	100mW / 200mW switchable via Software			
Power supply	Integrated Akkumulator (3.7V, 1700 mAh) Wireless (Qi compatible, 5V, 1A) Optional: USB connection (5V; 180mA; bis 1500mA charging, depending on charger)			
Power input	30mA in Stand-by; 180mA in operation			
Operation time	StandBy: >3 years Mixed mode: 30h Continous operation: 5h			
Charging time	Wireless charging: 1,5h Charging via USB: 1,5 - 14h			
Serial interface	USB Bluetooth 2.1+ Enhanced Data Rate (EDR) Qi Wireless Charging			
Case, dimensions (LxBxH)	160x40x25 [mm] [LxBxH]			
Weight	100g			
Display	Energy saving Electronic Paper Display 200px x 96px Resolution 46mm x 22mm readable area Readable under direct sunlight			
RSSI-Anzeige	RSSI can be visualized via software			
Write/Read range	ISO 15693	ISO 14443A	ISO 14443B	Multi-Standard
HID-Mode	Yes	-	-	Yes
CDC Mode	Yes	Yes	Yes	Yes
Chiptype	NXP ICode-SLI TI Tag-It Infineon EM	MIFARE Ultralight MIFARE SmartMX MIFARE DESFire MIFARE DESFire EV1	Look left	
Protocoll	Easy AT instruction set to scan tags, read and write tag-memory as well as modification of hardware parameters. Switching between CDC and HID mode is possible.			
Anticollision	yes			
Port	- CDC: Virtual serial port - HID: keyboard Interface; no driver needed			
Memory	2GB integrated Flash memory Saving data with time stamp			
Others	Fully encapsulated according to IP67			
Order number	BTR1356-XXX			

