arfiMove
BLUEBERRY HS-HF-MS9
13.56 MHz HF / NFC-V
KEY-CHAIN
Bluetooth® 2.1 + EDR
RFID Reader for NFC IN METAL
ISO15693 / ISO14443A UID
ISO18000-3

Product:	Mobile KEY-CHAIN STYLE 13,56 MHz HF/NFC RFID Reader Writer with Ø 8mm loop antenna and Bluetooth™ interface to connect with Android™, IOS™ , macOS™ , Linux or Microsoft Windows™ operating system based smartphone, PC or tablet PC.	
RFID TAGs supported:	ISO15693 NXP ICODE series Read Write, ISO14443A Mifare/NTAG series UID only	
Read Range:	up to 5mm in metal environment up to 10 mm in free air (Depends on RFID TAG type and shape)	Working time: 7 h continuous reading* 15000 readings, 24 h in idle mode
Frequency*:	13.56 MHz	* = At room temperature 20°C
ISO / Standards:	ISO15693 Read+Write 2Mbit, NFC Forum Type 5	ISO14443A (UID Read only)
Material / IP Rate:	Plastic	IP54
Dimensions / Weight:	(68 x 42 x 18) mm	ca. 30 g
Interfaces:	Micro-USB type B, Bluetooth 2.1 Transmission Distance: up to 5 m (in open environment)	HID Human device interface (keyboard emulation) SPP (bidirectional serial) profiles
Power Supply:	Micro USB 230mA peak @ 5VDC (RF full power) 30mA@5VDC (idle mode)	Li-Poly Battery 3.7VDC, 300 mAh
Switch:	1 function key for NFC/RFID READ action	
Display / Sound:	2 x LED indicators (power on, BT connection, working status)	Multi-tone Beeper
Temperature:	**Operating:** -20°C ... + 60°C	**Storage:** -20°C ... + 60°C
Certification:	CE ETSI EN 302330-2 V1.5.1, ETSI EN300328 V1.8.1, **FCC** part 15	RoHS ✔ Made in EUROPE
Part Description:	arfiMove BLUEBERRY HS-HF-MS9	Part-No. 123456946

arfidex GmbH I Adlerstraße 2 I D-63322 Rödermark I Germany I Phone: +49 (0) 6074 861930

www.arfidex.de I info@arfidex.de

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arfiMove BlueBerry HS HF MS9 is a mobile mini RFID reader, shaped like a keychain, capable of reading HF tags and transmitting the acquired data to any device equipped with a Bluetooth® radio interface.

The reading distance is about 5 mm.

The use of the RFID reader is easy and intuitive, thanks to the presence of a single button to activate the reading of the HF/NFC tags, combined with an LED and a multi-tone beeper, to alert the operator of the reading.

arfiMove BlueBerry HS HF MS9 integrates Bluetooth® radio technology, specifically it uses HID and SPP profiles. With the HID profile the data transmission takes place in keyboard emulation mode, mono-directional channel. This profile supports all major mobile devices, including those equipped with the iOS and Android operating systems. It also supports the main desktop and portable devices, including those with Windows, Linux and macOS operating systems.

Thanks to this profile, any application or program that accepts identification data entered from the keyboard can receive the same data transmitted by the arfiMove BlueBerry HS HF.
With the SPP profile, data transmission takes place in virtual serial mode, a two-way channel.

A simple serial communication protocol allows the user to manage all the RFID reader functions, in particular, the ID scan and the reading/writing of the HF tag memory. With this profile, it is also possible, in the development phase, to integrate RFID technology in any application or program for mobile, desktop or laptops.

arfiMove BlueBerry HS HF MS9 is battery powered.
Charging is carried out via a micro USB connector.

Through the USB port it is possible to connect the arfiMove BlueBerry HS HF MS9 to a PC, so that it can also be used as a normal RFID desktop reader.
Data transmission on the USB interface takes place in virtual serial mode, a bidirectional channel (managed through the same serial communication protocol as the Bluetooth SPP interface) .

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This HF/NFC KEYCHAIN RFID reader is used by system integrators/companies to read and write HF and NFC RFID tags, and to send the data in real time to a smartphone, tablet, PDA, PC by using Bluetooth™ wireless technology. The HF reader device can be removed from wristband housing for use as single device on desk or on lanyard.

Apps, APIs and SDKs are available for Android™ iOS™ macOS™ Linux and Microsoft Windows™ based devices.

Applications:

- Industrial ID
- Inventory (Asset Management)
- Logistics
- Maintenance, Service, Inspection
- Waste Management

Options:

The device is also available with other antenna for reading NFC/HF TAGs in non-metal environment or as desktop version. Other versions for long range UHF TAG reading are also available.

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