

## Overview

This compact UHF Bluetooth RFID key fob reader is compliant with ISO 18000-6C/EPC C1G2 standards. It integrates a linear polarized antenna which makes it suitable for short to medium range applications. It provides Bluetooth communication function and is a perfect add-on for any Bluetooth enabled host such as a PC, a smartphone, a PDA or a tablet. It is compatible with Windows XP/7, Windows CE/Mobile, Android, iPhone and iPad. The reader can also operate in "Batch Mode", allowing to store EPC codes into the internal memory when the communication links (USB or Bluetooth®) are not available. Designed for mobile operators in indoor or outdoor areas, the small reader is ideal for in-store inventory management, field sales mobility, service and maintenance applications.



## Key Features

- ✓ EPC C1 G2, ISO18000-6C compliant
- ✓ USB and Bluetooth communication
- ✓ Small, lightweight and ergonomic form factor
- ✓ Integrated linear polarized antenna
- ✓ Battery powered
- ✓ Vibration feedback
- ✓ iPhone/iPad compatibility
- ✓ LCD display

## Applications

- ✓ UHF add-on to Bluetooth devices
- ✓ Point of sales
- ✓ Field sales mobility
- ✓ Access control
- ✓ Inventory management
- ✓ Service and maintenance

## Technical Specifications

Frequency Range	865.600 to 867.600 MHz (ETSI EN 302 208 v. 1.4.1) (Mod. 246021B and 246021A) 902-928 MHz (FCC part 15.247) (Mod. 246021D and 246021C)
RF Power	Programmable in 18 levels from 5dBm e.r.p. (3mW e.r.p.) to 22dBm e.r.p. (150mW e.r.p.)
Antenna	Integrated linear (horizontal)
Number of Channels	4 channels (compliant to ETSI EN 302 208 v. 1.4.1.) (Mod. 246021B and 246021A) 50 hopping channels (compliant to FCC part 15.247) (Mod. 246021D and 246021C)
Standard Compliance	ISO 18000-6C/EPC C1G2
Read Range	up to 90cm (typical)
Connectivity	USB Interface: USB 2.0 Full Speed (12 Mbit/s) device port Bluetooth Interface: Class 2 with output power 4dBm e.i.r.p. Virtual COM port parameters: - Baudrate: up to 230.400kbps - Databits: 8 - Stopbits: 1 - Parity: none - Flow control: none HID profile available (mod. 246021B and 246021D) Apple compatibility available (mod. 246021A and 246021C)
User Interface	Button #1: ON/OFF Button #2: Trigger Led #1: power indication and battery status (green: high; red: low) Led #2: communication activity (blue: Bluetooth; orange: USB) Buzzer: bitonal for events signaling

Vibration: for events signaling  
Display: LCD Alphanumeric (8 chars x 2 lines)

Internal Buffer Size	48kByte (equivalent to 4096 EPC codes@96bit) (TBC)
Battery Type	Li-Ion 3.7V, 570mAh
Battery Life	Operating: > 12h with 40'000 tag readings; Standby: > 15 days
Battery Charging Time	2h (typical)
IP Rating	IP 32
Dimensions	(W)99 x (L)54 x (H)20 mm <sup>3</sup> max. (3.9 x 2.1 x 0.8 inch <sup>3</sup> )
Length of USB cable	1.5 m
Operating Temp.	-10 °C to +55 °C
Weight	57 g

**Ordering Options**

Code	Description
Reader	
<b>246021A</b>	246021A - Keyfob Bluetooth UHF RFID Reader (ETSI) with Apple profile
<b>246021B</b>	246021B - Keyfob Bluetooth UHF RFID Reader (ETSI) with HID profile
<b>246021C</b>	246021C - Keyfob Bluetooth UHF RFID Reader (FCC) with Apple profile
<b>246021D</b>	246021D - Keyfob Bluetooth UHF RFID Reader (FCC) with HID profile
Development Kit	
A	Development kit with 246021 Reader (ETSI with Apple profile) and demo tags
B	Development kit with 246021 Reader (ETSI with HID profile) and demo tags
C	Development kit with 246021 Reader (FCC with Apple profile) and demo tags
D	Development kit with 246021 Reader (FCC with HID profile) and demo tags



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