GAO RFID Inc.
A Member of GAO Group
Celebrating Over 20 Years of Innovation

Price: Euro 595

Overview

This mobile UHF RFID reader with an integrated antenna is intended for short to medium range applications. It is compliant with ISO 18000-6C/EPC C1G2 standards. The ultra high frequency RFID USB/Bluetooth reader is ideal for inventory management, field sales mobility, service and maintenance applications.

With an internal rechargeable battery, the reader can operate both in wired mode, using a USB cable, or in wireless mode through the Bluetooth interface. Thanks to the Bluetooth communication interface, the reader is a perfect add-on for any Bluetooth enabled host such as a PC, a smartphone, a PDA or a tablet for UHF RFID readings. The reader is compatible with Windows XP/7, Windows CE/Mobile, Android, iPhone and iPad.

The reader can also operate in "Batch Mode", allowing to store up to 500.000 EPC codes into the internal memory when the communication links (USB or Bluetooth) are not available. An optional 1D/2D barcode imager enables the reader to read most of the barcode standards. This enables the reader to be the perfect identification device in mixed barcode/RFID labels environment.

When paired to a smartphone or a tablet, the UHF RFID USB/Bluetooth reader is a cost effective alternative to more expensive handheld devices.

Key Features

- ✓ EPC C1 G2, ISO 18000-6C compliant
- ✓ Multi-Regional support
- ✓ USB and Bluetooth communication
- ✓ Integrated dual linear (H/V) antenna polarized
- ✓ Ergonomic shape
- ✓ Battery powered

Applications

- ✓ UHF add-on to Bluetooth devices
- ✓ Point of sales
- ✓ Field sales mobility

- ✓ People access control
- ✓ Inventory management

Technical Specifications

Frequency Range	865.6 to 867.6 MHz (ETSI EN 302 208)
	902 to 928 MHz (FCC part 15.247)
RF Power	Programmable in 8 levels from 11dBm (12.5mW)
	to 28dBm (610mW)
Antenna	Integrated dual linear (horizontal and vertical) polarized antennas
Number of Channels	4 channels (compliant to ETSI EN 302 208)
	50 hopping channels (compliant to FCC part 15.247)
Std. Compliance	ISO 180006-C/EPC C1G2
Read Range	Up to 1.5m. (typical)
Connectivity	USB Interface:
	USB 2.0 Full Speed (12 Mbit/s) device port
	Bluetooth Interface:
	Class 1 with output power 5dBm
	Virtual COM port parameters:
	- Baud rate: up to 921.600kbps
	- Data bits: 8
	- Stop bits: 1

	- Parity: none
	- Flow control: none
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)
	Led #3: operation result (green: OK; red: not OK)
	Buzzer: bitonal for events signalling
Internal Buffer Size	6MByte (equivalent to 500.000 EPC codes@96bit) (TBC)
Barcode Reader	1D and 2D imager (only in Mod. 216028B).
Battery Type	Li-Ion 3.7V, 2100mAh
Battery Life	Operating: > 8h
	Standby: > 7 days
Battery Charging Time	7h from USB port
	3h with AC/DC adapter
Dimensions	(W)90 x (L)140 x (H)35 mm3 max.
	(5.5 x 3.6 x 1.4 in3)
Length of USB cable	1.5 m
Operating Temp.	-10 °C to 55 °C
Weight	180 g max. (without barcode module installed)
	191 g max. (with barcode module installed)

Ordering Options

Reader	
216028A	Wearable Bluetooth UHF RFID Reader
216028B	Wearable Bluetooth UHF RFID/BARCODE Reader
Accessories	
Eaccescdrf06	216028 silicone cover

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