904.225.60 RFID5 USB R/W unit

Proximity Read/Write unit with USB interface for passive 125KHz H4102 compatible & 13.56MHz ISO14443A tags.

AXESS TMC
a brand of Zucchetti Axess S.p.A

Zucchetti Axess SpA
Via della Filanda, 22 - 40133 Bologna - Italy
Tel:+39 0371 5947311 - Fax: +39 0371 5947399
www.axesstmc.com

Transponder types	125KHz H4102 64bit read-only compatible tags: 40bit UID with several decodings. 13.56MHz ISO14443A (Mifare Classic / Ultralight / DESFire) tags: UID and data blocks.
Interface	USB 1.1 (2.0 compatible) with serial COM port emulation drivers.
Reading range	About 4 cm, with ISO card, in good conditions.
Power supply	From USB port: 100mA max @5Vdc. (+/-10%)
Case - Dimensions	ABS "mercure" painted - 104 x 71 x 27 mm (outline), incl. 4 rubber adhesive spacer pins.
Temperature range	-20° to +60°C.
Interface Cable	90 cm, PVC, USB type A connector

Installation of the SW drivers (by FTDI)

If not automatically properly recognized by your Windows PC, a "TMCUSB_DRIVER.zip" package including drivers and instructions can be freely downloaded from Axess TMC web site http://www.axesstmc.com in the *Software & Utilities* section of the *Partners Area*. Please install these drivers before connecting the reader.

Data transmission

Data are transmitted at 9600..115200,n,8,1 with ASCII protocol; baud rate is 57600 by default, but can be software configured to a different value; commands to the reader can be issued using any TTY terminal or program.

SW & Documentation

From the partner's area you can also download the **RFID2QuickConf** utility, that is in common with all models of Axess TMC RFID2/3/4/5 readers, to test, configure and upgrade firmware, and to inspect and write (depending on models) into proximity cards. To automatically redirect the autoread serial output to keyboard emulation you can download the same **COM2Kbd** utility that can be used with all models of Axess TMC RFID2/3/4/5 readers.

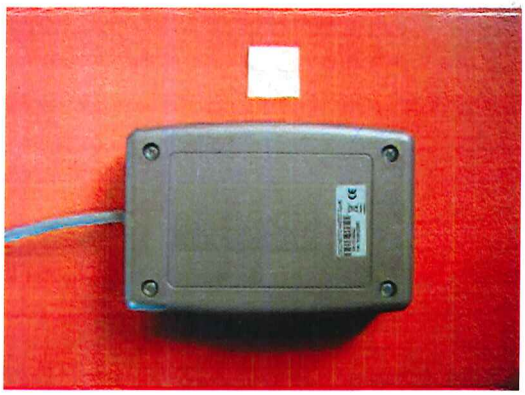
The "**RF5 13.56MHz – 125KHz Manual**" applies for the specifications of data communication format, commands and configuration parameters.

Autoread configuration

USB units are preprogrammed for automatic retrieving and transmission of the UID code always present in all tags, when a card enters in the field range. The USB unit can also be programmed for reading and transmission of some other content of the card: please refer to the above mentioned "RF5 13.56MHz – 125MHz Manual" for the possible options.

Default UID Output Format

125KHz *H4102* compatible	5 bytes to 14 digits transmitted (TMC decoding): **0F026BF417 → 00064465138711**<CR>
13.56MHz Mifare Classic®	4 bytes to 10 digits transmitted: **A6A7E770 → 2796021616**<CR>
13.56MHz Mifare UltraLight® Mifare Desfire® Mifare Classic EV1®	7 bytes (**2**+2+**4**) to 20 digits (**5**+5+**10**) transmitted: ***D002***0896***EEA747BC*** → ***53250***02198**4003940284**<CR>



This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

INSTRUCTIONS FOR FCC ID LABELING
Module type: transmitter 90422560
FCC-ID: SYL90422560
This intends to inform you how to specify the FCC ID of our transmitter module 90422560 on your final product. Based on the Public Notice from FCC, the product into which our transmitter module is installed must display a label referring to the enclosed module. The label should use wording such as "Contains transmitter module FCC ID: SYL90422560" or "Contains FCC ID: SYL90422560", any similar wording with the same meaning may be used.

CE

This device only conforms to all the standards of the CE mark if the installation and user instructions contained in this document are followed correctly.