rf|dat e rf|dock

Proxi "tag" portable reader

and

data unloading station

rf|dat

Description

RFIDat is a small self-powered portable reader that can intentionally read, via RF (Radio Frequency) mode, passive "**TAGs**", also of very reduced dimensions and low cost.

RFIDat is the ideal and competitive tool when it is necessary to attribute working time to Job Orders or Cost Centers when people mobility is very frequent and it is not possible to use other equipments such as Time&Attendance terminals or plant terminals.

The **TAG** (transponders), as small as a coin, can be placed, according to needs, in specific work places or on specific objects.

TAG

Possibile uses

As an example, *RFIDat* can be used by Enterprises / Public Utilities for:

- attribution of performances /services to Cost Centers;

- performance accounting on Job Orders (manufacturing enterprises, building yards, shipyards, auto body shops, workshops, etc.);

- accounting of the performance of temporary employment Companies;

RFIDat, is convenient, reliable, easy and comfortable to use.
RFIDat provides many possibilities of use in the world of data collection and time management.

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- accounting of the performance of Service Enterprises / Corporate Bodies (maintenance, assistance centers, social cooperatives, cleaning, etc.);

- attribution of performances /consulting services to professional Offices (lawyers, advisors, etc.);

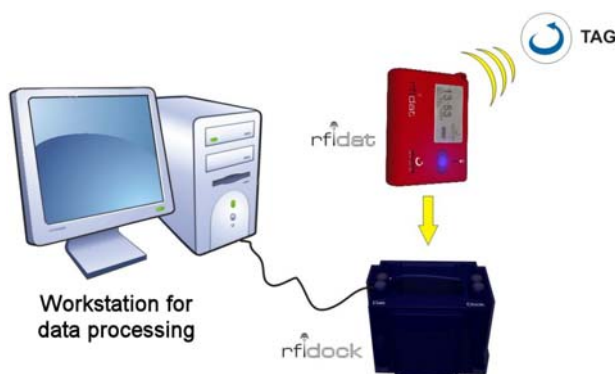- accounting of services provided by Vigilance Companies.

Operations

One **RFIDat** unit is given to each person and configured with his name and personal code.

Whenever the person approaches the **RFIDat** to a **TAG** and press the specific key, the TAG univocal code is read; instantly, inside the memory of **RFIDat**, a transaction that contains the person's code, day, month, year, time, minutes and code of the **TAG** just read is generated.

The **RFIDock** unit is the holding station that has the double function of managing the communications and of recharging the batteries of the **RFIDat** units. Also the batteries are recharged in radio frequency.

Example of configuration

The software product **RFICom** is also supplied with **RFIDat** and **RFIDock**. It allows to manage the communications and the configuration of the **RFIDat**, to query the transactions and to export data towards other management system. The description of the functional characteristics of **RFICom** is shown in the specific technical sheet.

RFIDat technical characteristics

- RFID TAG: 125Khz, em4102 compatible

- Storage capacity: 8.000 transactions: ID reader, ID tag, date, time and minutes

- Automatic Daylight Savings Time

- Data transmission: wireless (by induction), two-way

- Duration of batteries: 60 days minimum, or 3.000 readings

- Batteries recharge: contactless (by induction)

- Clock precision: max. 10 sec/month (from 20° to 30°C); typical 1 min/year (at 25°C)

- Display: graphic 128 x 64 with visualization: time and date - assigned name - number of read tags - battery status

- Key: tactile backlighted for power on and reading TAG

- Dimensions: 60 x 45 x 15 mm.

- Reading signal: buzzer and blue led in the key

- Operations environment: 0° - 50°C without condensation

- Mechanical resistance: 50 cm fall on concrete

RFIDock technical characteristics

- Connections: serial Rs232 / USB, 200 cm cable

- Power supply: external, 12Vdc

- Base: with 1 - 2 - 4 - 8 compartments modularity

- Signalling leds n.4:
  - power supply
  - presence of **RFIDat** reader
  - batteries under recharge
  - data transmission in progress

- Options: - Ethernet interface
              - GSM module
                (available: 4th Q 2008)

RFIDat - **RFIDock** - **RFICom**
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