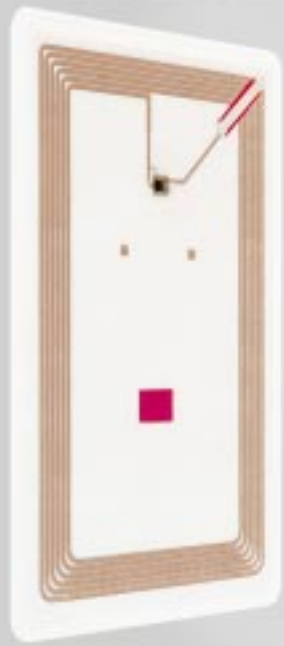


13.56 MHz



AXIOIIIIE

The technology

Discreet and reliable information aid:

RFID TAGS are microcircuits with memory that can be both read and written on to using radio-frequency. Their small size allows them to be integrated into a variety of physical objects.

Mobility and security:

t.BARman opens the way to unlimited applications where mobility is essential, such as product identification, product flow management, maintenance... generally speaking, wherever recording and tracking is required.

of the future



BARman

See... You can't even see it!

The t.BARman breaks new ground by offering radio frequency identification of tags. t.BARman is not only a highly mobile and resistant terminal. It's also a complete system with a whole network of interfaces and all the programming and communication software of the BARman range. Performances such as automatic communication, magnetic connection to interface, direct data capture or keyboard entry, integrated clock, customised programming are packed into this pocket-sized unit.

Electronics

- Micro-controller: 8 bit CMOS, 8 KB bootstrap loader EPROM
- Program memory: 64 KB flash memory
- Data RAM: 512 KB or 1MB SRAM
- Power supply: 4 NiCad 200 mAh, rechargeable
- Autonomy: approx. 12 hours, when reading every 20 seconds
- Programming: AXEL compiler (BASIC like) or C

Physical

- Technology: SMT
- Dimensions: LxWxH 167 x 56 x 38 mm (6.57 x 2.2 x 1.5 in.)
- Weight: 190 g (6.7 oz.) with batteries
- Buzzer: piezoelectric, programmable in frequency and duration
- LED: programmable red/green
- Display: high contrast LCD 4 x 16 characters plus icons, back-lit
- Calendar/Clock: quartz RTC, date and time
- Keyboard: 25 silicone rubber keys

Environment

- Operating temperature: 0° C to 50° C (32° to 122° F)
- Storage temperature: -20° C to 50° C (-4° to 122° F)
- Relative humidity: 95% non condensing
- Protection standard: IP65
- Electrostatic charges: IEC 801 - 2 (up to 15 kV)
- Tumble resistance: from 1 m (3.3 feet) onto concrete

RFID Head

- Integrated RFID head (13.56 MHz)
 - Supports industry standard 13.56 MHz read/write tags and smart labels
 - Based on Multi Standard Reader architecture which provides simultaneous and transparent support for tags and smart labels by different vendors
 - Proximity reader (up to 55 mm read range)
 - Supports high frequency tags and smart labels by Philips Semiconductors (I.CODE). I.CODE is a read/write RFID tag with 512 bits storage capacity. Data is addressed in sixteen blocks of 32 bits. t.BARman can read I.CODE tags up to 55 mm and write I.CODE tags up to 50 mm*
 - Supports high frequency tags and smart labels by Texas Instruments (Tag-It). Tag-It is a read/write RFID tag with 256 bits storage capacity. Data is addressed in eight blocks of 32 bits. A non user programmable block of 64 bits exists for storing tag information. t.BARman can read Tag-It tags up to 50 mm and write Tag-It tags up to 40 mm*
- *Depending on tag antenna

AXIOME is a Swiss company specialized in automatic ID and data capture. The company also develops and manufactures peripherals for optically reading documents with marks (OMR), characters (OCR and ICR), images, bar code and RFID Tags.

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Because we are constantly improving our products, AXIOME reserves the right to modify technical features without warning
idm sa, printed in Switzerland 5/2001

