

RFID CARD FOR GARBAGE



Global Tag RFID cards are effective tools for waste management, enhancing user identification and traceability in waste collection systems.

Thanks to LF, HF, or UHF technology, RFID cards support pay-as-you-throw policies and encouraging responsible waste sorting behaviors.

They can be customized with serial numbers, logos or specific encoding.

MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS

Dimensions: 54x86x0,76mm follow standard ISO/IEC 7810

Weight: 0,58gr.

Material: Laminated PVC (or PET optionally)

Color: Generally White - Any other colors is available

Class Protection: IP68

Delivery format: Individual

Expected lifetime: Years in normal operating conditions

Storage Temperature: -55°C to +60°C / -67°F to + 140°F

Operating Temperature: -25°C to +50°C / -13°F to +185°F

Chemical resistance: No physical or performance changes in (tested up to, more hours can be): - 200 hours Motor oil immersion - 200 hours Salt water (salinity 10%) exposure

TYPES OF RFID CHIPS:

LF: Available with TK4100, T5577. Other on request.

HF: Available with I-Code SLIX, I-Code SLIS, Mifare Ultralight, Mifare Classic 1K, Mifare Classic 4K, Mifare Plus X 4K, Mifare Desfire 4K, STM LRI2k, Ntag213, Ntag216, other on request

UHF: Available with NXP Ucode8 or Alien Higgs9 chip. Others on request.

DUAL FREQUENCY SOLUTIONS AVAILABLE:

LF + HF ISO15693

LF + HF ISO14443

LF + UHF ISO18000-63

HF ISO14443 (or NFC) + HF ISO15693

HF ISO14443 (or NFC) + UHF ISO18000-63

HF ISO15693 + UHF ISO18000-63

PRINTING AND CUSTOM OPTIONS:

Printing offset: 1, 2 or 4-colors logo printing.

Laser engraving: Serial numbers, Codes from customer database, QR and barcode.

Pre-Encoding: Customer specific encoding of EPC or User Memory (from Database too). Permanent or by password lock. TID/EPC in database. For Dual Frequency cards, record of UID (of HF/LF) in the EPC (UHF). Magstripe HiCo 2750OE or LoCo300OE.

Signature field: The card can be provided with the space which captures the user's signature.

Re-printable surface: Re-printable surface allows printing, erasing and reprinting new contents.

On-Metal Layer: An insulant layer (+ glue) can be added, in order to mount the RFID badge on metal surface without losing RF performances.

INSTALLATION MODE:

With optional 3M 467MP Adhesive model: when mounting the tag with adhesive background, clean and dry the surface to get the maximum bond strength.

With Magnet: To mount and remove the RFID contactless card from on-metal surfaces.

ORDER INFORMATION:

Standard product is blank, white color

PRODUCT CODE: GT-BDGY-xx (xx is the selected IC chip)

For more information, please contact us:

Global Tag Srl - Via Zanardelli 13/A 25062 Concesio (BS) - Italy

P +39 030 2005259

M wastemanagement@global-tag.com

DISCLAIMER:

The information in this document is subject to change without notice. Global Tag assumes no responsibility for any errors that may appear in this document. Application recommendations are guidelines only - actual results may vary and should be confirmed. This is a general-purpose product not designed or intended for any specific application. Global Tag Srl or its subsidiaries are not responsible for the performance or support of third party products and does not make any representations or warranties whatsoever regarding quality, reliability, functionality, or compatibility of these devices or products.

© Copyright 2025 - Global Tag Srl