

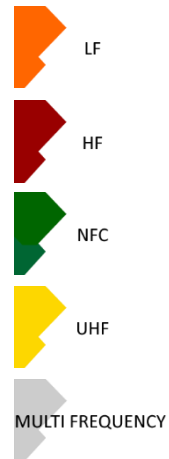
PRODUCT DATASHEET

GLOBAL TAG RFID/NFC CARD



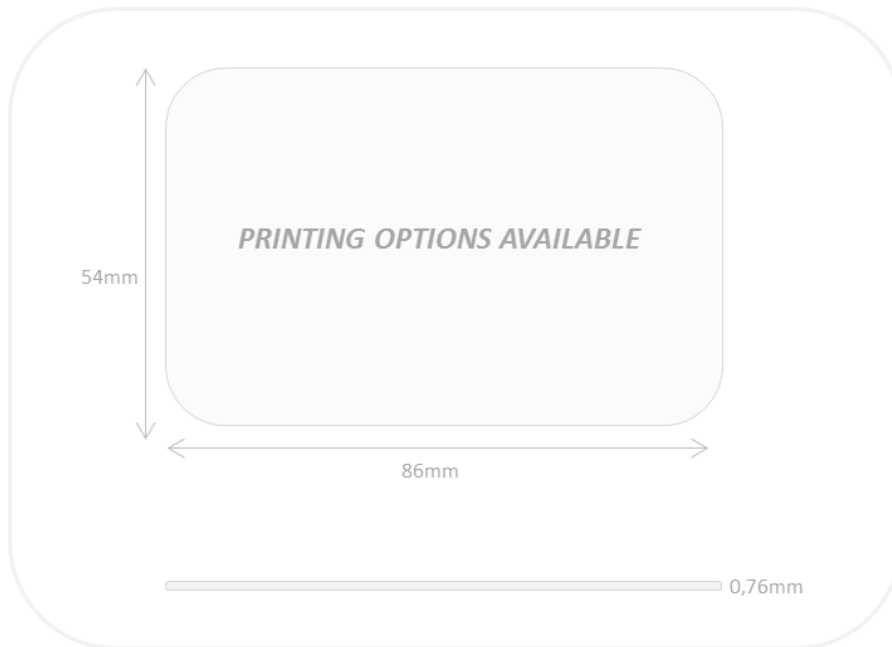
Global Tag **RFID/NFC CARD** is a PVC smart card equipped with RFID or/and NFC technologies. The contactless PVC ISO Card is available in LF 125Khz, HF 13,56Mhz (both ISO14443 and ISO15693) or UHF 860-960Mhz. A further option is the dual frequency card, which integrates two different chips/antennas.

Different customizations are available, such as offset printing, laser engraving of UID, serial number, QR or barcode, optional backside glue, foam, signature field, magstripe and magnet.



MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS

Dimensions: 54x86x0,76mm follow standard ISO/IEC 7810 / 3,15x0,94x0,31 in



Weight: 0,58gr.

Material: laminated PVC (or PET optionally)

Color: Generally White - Any other colors is available

Class Protection: IP68 (Totally protected against ingress of solid / Protected against long period of immersion)

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

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

Delivery format: Individual

Expected lifetime: Years in normal operating conditions

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



CHIP SPECIFICATION AVAILABLE

	LF 125Khz	HF 13,56MHz	UHF 860-960MHz
Device type	N.D.	N.D.	Class 1 Gen 2
Air interface protocol	N.D.	ISO14443 and ISO15693 and NFC	ISO18000-63
IC Type Available	TK4100, T5577, other on request	I-Code SLIX, I-Code SLIX2, I-Code SLIS, Mifare Ultralight, Mifare Classic 1K, Mifare Classic 4K, Mifare Plus X 4K, Mifare Desfire 4K, STM LRI2k, Ntag213/216, others on-request	Alien Higgs9, NXP U-Code 8, others on-request
Size Inlay	75x45mm (one inlay integrated) 50x20mm (in dual frequency solution)	75x45mm (one inlay integrated) 50x20mm (in dual frequency solution)	70x17mm
Read Range	From 2 to 50cm	From 2 to 150cm (150cm can be in High Performance SLIX solution)	Up to 6meters

DUAL FREQUENCY SOLUTIONS AVAILABLE

RFID/NFC Card can be provided with 2 different inlays in the same tag. Different combos are 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

CUSTOMIZATION 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.

APPLICATION NOTE

Access and presence Control: BADGY is used for access control in many different environments as schools, hotels, SPA, resorts, etc..

Fidelity or VIP Pass

Micro-Payment and ticketing: BADGY, in particular with HF ISO14443 (NFC) chip, can be used for micro-payment, particularly for special events like festival, discos, concerts, ecc..

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

S global-tag

W www.global-tag.com

M sales@global-tag.com

DISCLAIMER

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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.

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