

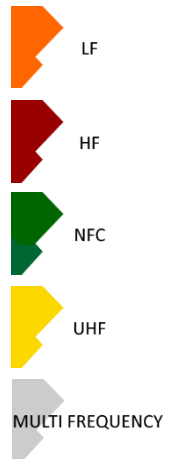
PRODUCT DATASHEET

GLOBAL TAG **BADGY**



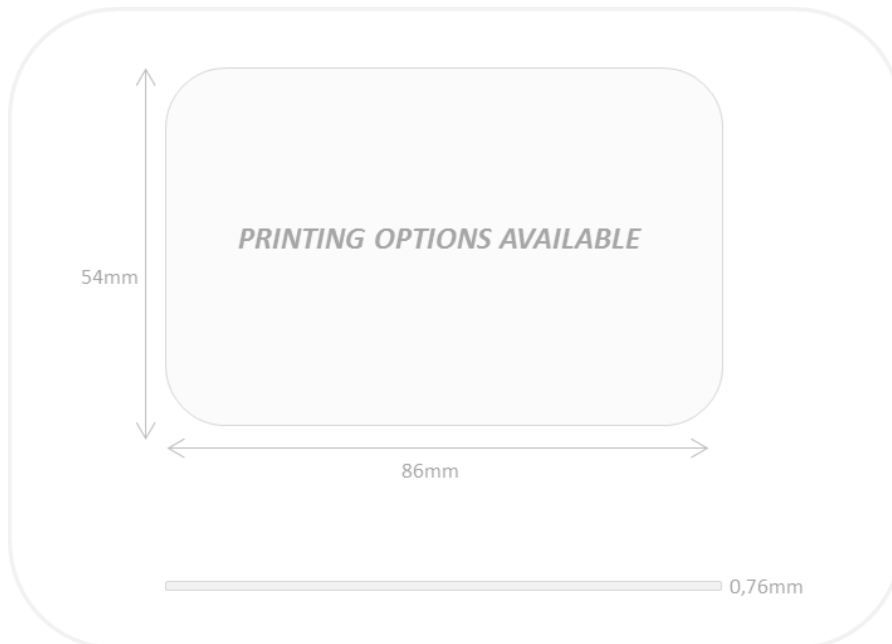
Global Tag **BADGY** is PVC ISOcard transponder. Available in LF, HF, UHF and with Dual Frequency chip integrated and also **NFC** Ready.

Are available different customization as offset printing options, UID or serial number engraving, strong adhesive with foam, Barcode, QRcode, signature panel matt, Magstripe and magnet



MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS

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



Mounting System: optionally Rivet Holes (one or two holes) or Foam Adhesive (3M 467) for irregular surface and magnet for on-metal surface

Weight: 0,58gr.

Material: laminated PVC (or PET optionally) – Foam with 3M 467 adhesive (for optional support layer)

Color: Generally White – Available optionally any other colors or transparent

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: Singulated

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, EM4200, other on request	I-Code SLIX, I-Code SLIS, Mifare Ultralight, Mifare Classic 1K, Mifare Classic 4K, Mifare Plus X 4K, Mifare Desfire 4K, STM LRI2k, Ntag203, other on-request	Alien Higgs3, Alien Higgs 4, Monza 5, other 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 5meters

DUAL FREQUENCY SOLUTIONS AVAILABLE

BADGY can be made with integrated with two different inlay* for dual frequencies solutions. Many different schemes 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

*All solutions are available with chip as over described

CUSTOMIZATION OPTIONS

Printing offset: monochromatic or 4-colors printing artwork layout, Serial UID, serial progressive number from database, randomize number from database text, Barcode, QRCode, photos or name and surname. Other customization on demand.

Pre-Encoding: Customer specific encoding of EPC or User Memory (also from Database). Locking permanently or with password. Insert into Database TID code.

On Dual Frequency type, insert in EPC UHF serial UID of LF or HF inlay.

Magstripe HiCo 2750OE or LoCo300OE

Signature Panel Matt: can be made for write with pen on Badge surface (as credit card signature). We are able to put this option in all position on badge side.

Re-printable surface: can be made with one side or two side re-printable surface for printing, erasing and reprinting information

On-Metal Layer: can be added a layer (with adhesive) to install badge on metal surface and guarantee a good performing reading distance. Available different thickness of isolating material (0,20mm, 0,33mm, 0,50mm)



INSTALLATION MODE

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

For more information about adhesive check at this link: <http://multimedia.3m.com/mws/media/1040640/high-performance-adhesive-transfer-tapes-with-3m-adhesive-200mp.pdf>

With Magnet: for attach and remove badge on-metal we can added magnet layer

APPLICATION NOTE

Access and presence Control: BADGY is used for access control in many different environment as hotel, company, production facilities. Fidelity or VIP Pass

Micro-Payment and ticketing: BADGY, in particular with HF ISO14443 (NFC) chip, can be used for micro-payment inserting information in cryptographic memory block.

ORDER INFORMATION

Standard product is blank, white color:

PRODUCT CODE: GT-BDGY-xx (xx defined type of chip required)

Printing Offset Setup for each. different layout:

PRODUCT CODE: GT-STP (UNA Tantum cost for each. layout and each. production)

Printing Offset for each. badge, front/back side or only front side:

PRODUCT CODE: GT-PRT-OFF

For other options customization, for any other request... contact us:

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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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