

RFID PVC DISK



Global Tag **PVC DISK** is a versatile RFID tag designed for the identification of a wide range of objects. It is available in LF, HF (ISO15693 and ISO14443), UHF and, on demand, also in dual-frequency versions, ensuring compatibility with different systems.

Thanks to its PVC construction, the tag is waterproof, dustproof and resistant to immersion in salt water, alcohol and oil, making it suitable for both indoor and outdoor applications.

The PVC DISK offers a high degree of customization, including full-color offset printing, barcode, QR code and serial number laser engraving, as well as memory encoding for both HF and UHF technologies.

The tag can also be provided with holes in different positions and diameters, enabling flexible mounting options according to application needs.

MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS:

Dimensions: Ø15 to 70mm diameter / Ø0,59in to 2,76in diameter

Thickness: 0,76mmmm / 0,03in

Weight: depends on tag diameter

Material: Laminated PVC

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 + 140°F

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

Delivery format: Individual

Expected lifetime: Years in normal operating conditions

CHIP SPECIFICATION AVAILABLE:

	LF 125Khz	HF 13,56MHz	UHF 860-960MHz
Device type	N.D.	N.D.	N.D.
Air interface protocol	N.D.	ISO14443 and ISO15693 and NFC	ISO18000-63
IC Type Available	TK4100, T5577, others on request	I-Code SLIX, Mifare Ultralight, Mifare Classic 1K, Ntag213, Ntag216, others on-request	Alien Higgs9, NXP U-Code 8, others on-request
Read Range	Up to 10cm	Up to 10cm	Up to 10m

CUSTOMIZATION OPTIONS :

Offset Printing: Full-color offset logo printing

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

Memory encoding: It is possible to encode the memory/EPC of the HF and UHF tags

On-Metal Layer: An insulant layer (+ glue) can be added, in order to mount the PVC tag on metal surfaces without losing RF performances. Check the specific on-metal product: <https://www.global-tag.com/project/rfid-on-metal-pvc-tag/>

Foam and/or Glue: It is possible to order the product with an additional layer of foam, in order to improve the adherence, and with hot melt or 3M adhesive

INSTALLATION MODE:

With 3M glue: when mounting the tag with adhesive background, clean and dry the surface to get the maximum bond strength

With rivet/screws: the PVC disk can be provided with hole(s) for the mounting with rivets/screws

APPLICATION NOTE:

Asset tracking

Production control

Maintenance

ORDER INFORMATION:

Standard product PVC DISK

PRODUCT CODE: GT-DSKYW\$\$-xx (\$\$ defined diameter size xx defined type of chip required)

For more information, do not hesitate to contact us:

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

P +39 030 2005259

S [global-tag](http://global-tag.com)

W www.global-tag.com

M sales@global-tag.com

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