

# RFID PLANT TAG



HF



NFC



UHF



Global Tag **RFID PLANT TAG** is a laminated RFID/NFC tag designed for the tracking and identification of plants and seedlings in nurseries and plantations. Available in UHF, HF and NFC technologies, it can be easily inserted directly into plant pots, ensuring simple and effective deployment.

Thanks to its laminated structure, the tag is IP68 rated and suitable for long-term outdoor use, offering resistance to water, humidity and environmental stress. It is designed to maintain reliable performance over multiple seasons. For applications exposed to strong sunlight, the tag can be optionally provided with an anti-UV treatment, improving durability and preserving readability over time.

RFID PLANT TAG is available in two different sizes and supports various customization options, including QR code, barcode, logo and serial number printing, allowing seamless integration into plant tracking and nursery management systems.

## MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS:

### Dimensions:

1) 116x20x0,76mm; 4,57x0,79x0,03 inch.



2) 80x40x0,76mm; 3,15x1,57x0,03 inch.



**Mounting System:** insertion in the soil/pot

**Weight:** 3gr/4gr

**Material:** Laminated PVC

**Color:** White (default color); others on request

**Class Protection:** IP68 (the device can survive against dust and up to 1.5 meters of water for 30 minutes)

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

**Operating Temperature:** -25°C to +50°C / -13°F to +122°F

**Weather Ability:** Very Good; on demand the tag can be provided with the anti-UV treatment.

**Delivery format:** Individual

**Expected lifetime:** Some years in normal operating conditions

## CHIP SPECIFICATION AVAILABLE:

	HF 13,56MHz	UHF 860-960MHz
Device type	N.D.	Class 1 Gen 2
Air interface protocol	ISO14443 and ISO15693 and NFC	ISO18000-63
IC Type Available	I-Code SLIX, Mifare Ultralight, Mifare Classic 1K, Ntag213, Ntag216, others on-request	Alien Higgs9, NXP U-Code8, NXP U-Code9, others on request.
Inlay size	Depends on the required read range	Depends on the required read range
Read Range	From 2 to 30cm	Up to 7meters

## CUSTOMIZATION OPTIONS :

**Offset printing:** W/B or full color logo printing

**Laser engraving/digital printing:** Variable content, such as barcodes, QR, serial numbers, tag UID/EPC can be printed or lasered on the tag.

**Pre-Encoding:** Customer specific encoding of EPC or User Memory (also from Database). Locking permanently or with password. Insert into Database TID code. On NTag21x chip (NFC) encoding memory (mailto, URI or other information) from database.

## INSTALLATION MODE:

Plants maintenance and control

Seedlings inventory

## ORDER INFORMATION:

### PRODUCT CODE:

GT-PLTG11620-xx (xx defined type of required chip)

GT-PLTG8040-xx (xx defined type of required chip)

**For more information, do not hesitate to contact us:**

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