

RFID Tree Nail Tag- spec sheet



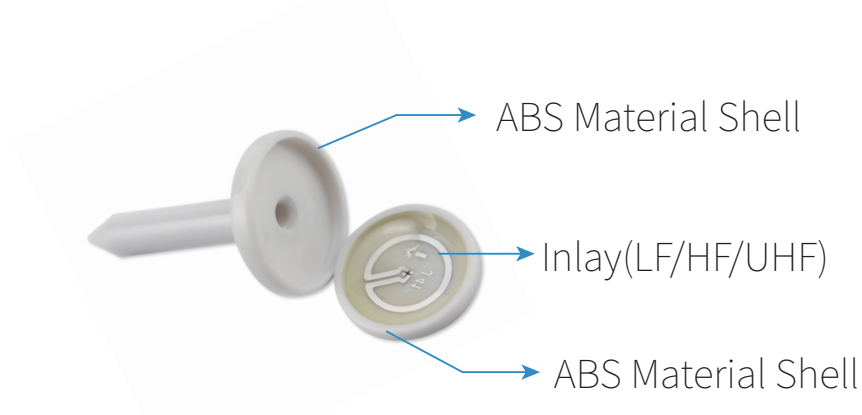
The RFID Nail Tags are passive RFID transponders which are very useful for tree population monitoring or pallet tracking. There are different sizes fit different application and his special ABS material, the RFID nail Tag is extremely rugged.

because of its ferrite core antenna, it gives a really good reading distance.You can choose LF,HF,UHF for your project.

Parameters

Item	RFID Tree Nail Tag	Color	White or Black	Working Temperature	-25°C to 65°C
Material	ABS	Craft	Logo and number printing engraved, encode, etc.	Data Retention Time	10 years
Chip	UHF:Alien H3/H4,Monza 4/5 HF: FM1108;LF:TK4100,EM4305 etc;	R/W	Read/ Write	Reading distance	0-10cm
Frequency	UHF:ISO18000-6C; HF:ISO14443A/ISO15693; LF:ISO18000-2	Size	36*6mm/ 40*10mm/ 41*28mm/41*6mm		

Dimensional Diagram



Available chips

LF 125kHz Chips

Chip Name	Protocol	Capacity	Frequency
TK4100	ISO 11784/11785	64 bits	125 kHz
EM4200	ISO 11784/11785	128 bits	125 kHz
EM4305	ISO 11784/11785	512 bits	125 kHz
T5577	ISO 11784/11785	330 bits	125 kHz

HF 13.56 MHz Chips

Chip Name	Protocol	Capacity	Frequency
Ntag213	ISO14443A	180 byte	13.56 MHz
Ntag215	ISO14443A	540 byte	13.56 MHz
Ntag216	ISO14443A	924 byte	13.56 MHz
MIFARE Classic 1K	ISO14443A	1 KB	13.56 MHz
MIFARE Classic 4K	ISO14443A	4 KB	13.56 MHz
MIFARE Ultralight EV1	ISO14443A	80 byte	13.56 MHz
MIFARE Ultralight C	ISO14443A	192 byte	13.56 MHz
ICODE SLIX	ISO15693	1024 bits	13.56 MHz

860~960 MHz UHF Chips

Chip Name	Protocol	Capacity	Frequency
Alien H3	ISO18000-6C	512 bits	860~960 MHz
Impinj Monza 4	ISO18000-6C	96 bits	860~960 MHz
UCODE G2iL	EPCglobal Class1Gen2	128 bits	860~960 MHz

Feature

- ▶ Easy to install
- ▶ Sturdy and durable, moisture resistant
- ▶ Resistance to thermal fluctuations, vibration and shock
- ▶ Security
- ▶ Not easy to destroy and remove

APPLICATIONS

- Various non-metallic items management
- Valuable tree management
- Logistic & inventory
- Pallet tracking
- Asset tracking
- Furniture management