

Long-Range RFID

Ultra Long Range Tags

RFID solutions for Vehicle, Asset and Personnel Tracking

The PureRF series of Ultra Long Range RFID Tags are used for hands-free asset protection, vehicle identification and personnel tracking.

VEHICLE IDENTIFICATION

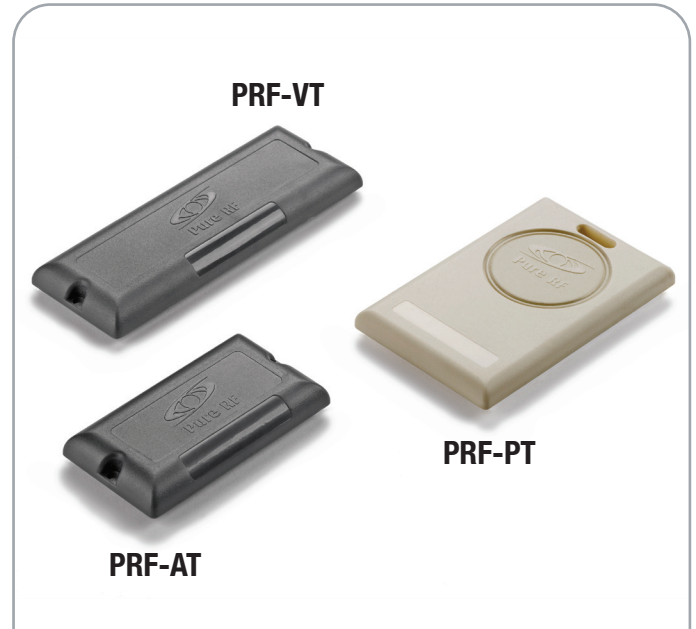
Identify and track vehicles at airports, gated communities, truck and bus terminals, employee parking lots, military installations, etc.

ASSET PROTECTION

Identify and track laptop and desktop computers, office machines, tools, telephones, shop equipment, in hospitals, office buildings, retail stores, warehouses, industrial facilities, etc.

PERSONNEL TRACKING

Identify and track employees and visitors in military bases, office buildings, mines, hospitals and warehouses for access control, emergency evacuation and mustering. Multiple Tags can be functionally linked to each other to match employees to laptops, drivers to vehicles and trucks to trailers, etc.

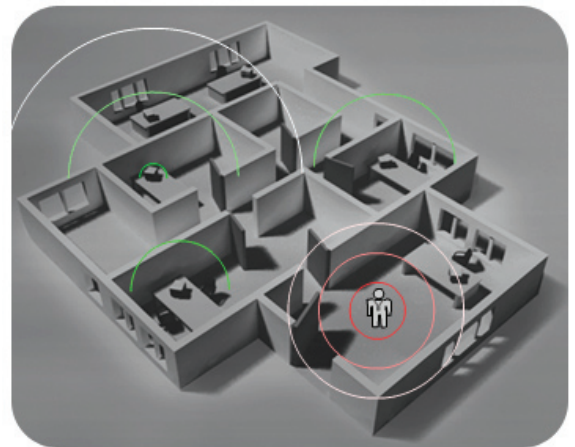


Main Features

- Reliable low power consumption. Battery life is estimated at 5 years*
- Proprietary algorithm oversees communication between Tags and Readers
- Anti-Collision algorithm allows Reader identification of multiple Tags simultaneously
- Adjustable Tag read range within 15 to 500 feet (4.6m to 150m) **
- AutoLocate™ Beacon capability is standard in all Tags
- Push button feature can trigger distress or notification identification if pushed
- MotionDetect™ feature can trigger alarm reports if Tags are moving. All tags have MotionDetect™ capability
- Feature rich and flexible operation, configurable settings include: Site ID, Tag ID, Transmission Repetition and Alarm Functions
- Multiple transmission intervals for both Routine and Alarm transmissions. Alarm transmissions such as Motion and Tamper can be set at quicker intervals
- All Tags support 26 bit Wiegand protocol
- Low Battery alerts ***
- TamperDetect™ feature can trigger alarm reports if Tags are removed from assets or vehicles ***

Tag Models

- | | |
|--------|--|
| PRF-VT | Long Range Tag for assets or vehicles |
| PRF-PT | Personnel Badge Tag |
| PRF-AT | Small form factor Tag for assets or vehicles |



Zone Control RFID Tracking in an Office Environment

PureRF Tags and Readers provide an accurate, real-time and dynamic means to detect, track, control, and monitor assets, vehicles, and personnel. This technology can be applied to operations and processes in all types of industries.



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Specifications

Frequency

433.92 MHz

Output Power (ERP)

0.16 – 0.23 mW

Operational Temperature

-22 °F to +167 °F
(-30 °C to +75 °C)

Storage Temperature

-22 °F to +176 °F
(-30 °C to +80 °C)

Humidity

5% to 90% (non-condensing)

Physical:

Part	Size	Weight
PRF-VT	40mm x 110mm x 8mm	29 grams
PRF-PT	56mm x 88mm x 7mm	32 grams
PRF-AT	40mm x 72mm x 9mm	22 grams

Range:

PRF-VT	up to 500 feet (150m)**
PRF-PT	up to 400 feet (120m)**
PRF-AT	up to 350 feet (105m)**

* At a typical transmission interval of 2 sec. Battery life can be extended when the transmission intervals increases

** The distance can vary based on environmental conditions, receiver antenna type, orientation, etc.

*** Coming Soon

Parts and Ordering Information

Pure RF Ultra Long Range Tags	
PRF-VT-MO	Covert Vehicle or Asset Tag with AutoLocate™ Beacon and MotionDetect™ Features
PRF-PT-MO-PB	Personnel ID Tag with Autolocate™ Beacon, MotionDetect™, and Push Button Features
PRF-AT-MO	Small Asset Tag with Autolocate™ Beacon and MotionDetect™, Features

APPLICATIONS:



transportation



mining



emergency
evacuation



gated
communities



petrochemical



healthcare



manufacturing



supply chain



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