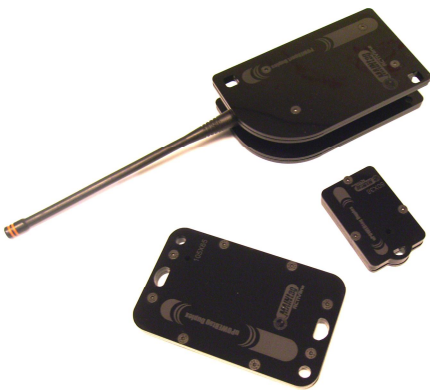


LONG-RANGE ACTIVE RFID



General Description

MAINtag ACTIVline® active radiofrequency technology includes a wireless communications system and dedicated protocol management software. This technology allows for the design of genuinely active labels able to transmit and receive data and offering a lifespan of several years.

MAINtag ACTIVline® systems use UHF radiofrequency technology (433.92 MHz in Europe, 914 MHz in the USA). It allows for a bi-directional communication between a reader and a tag at a distance of 50 meters. Anti-collision management between tags allows for communication with a large number of tags in the same zone.

Electronic Labels

Different electronic labels are available for various applications, with memory sizes up to 60 kb.

- μ POWERtag Duplex - Asset Tracking: Real-time continuous management for goods and equipment
- μ POWERtag Duplex - Access Control: Hands-free badge access
- μ POWERtag Duplex - Sensor: Measurement of temperature, humidity, dew point, recording and transmission of data

Control Terminals

MAINtag ACTIVline® terminal readers are available in two models:

- POWERport Duplex - MOBILE
- POWERport Duplex – FIXED

The system architecture allows for a mobile or fixed installation using a light infrastructure. The configuration and rapid management of communications is handled by means of a web-based interface. RS232, USB interfaces are supplied as standard equipment (other interfaces available on request: Ethernet, WiFi, MODEM, GSM).





OEM Module

MAINtag ACTIVline® "unisoocket" OEM modules are available for OEM fitting of all objects that need to signal their presence or communicate over short distances with their environment. The integration of MAINtag ACTIVline® OEM modules is facilitated by the implementation of a communications interface using 'AT'-format commands.

- _EZControl UST - Uni-Socket OEM Module

Applications

- Real-time and continuous management of goods and equipment
- Access control for goods and persons
- Command and control at a distance

Features and advantages

- Very low consumption
- Very high number of addressable tags
- ULP (Ultra Low Power) architecture, lifespan for electronic labels between 3 and 5 years
- Light infrastructure, rapid installation and configuration

Options

- Frequency: Europe or USA.
- Detection of battery charge with alarms.
- RTC for timestamps of alarms and various measurements
- PIT interfaces:
 - LED for visual reconnaissance
 - Buzzer for sound location
- Electronic label sensors:
 - Temperature
 - Humidity
 - Dew point
- Fixed or mobile terminal connections:
 - RS232,
 - USB,
 - Bluetooth,
 - Ethernet,
 - Modem,
 - WIFI,
 - ADSL,
 - GSM.

Distributeur :

