RADIOFORCE

RFO ITPS 24
Indoor
Tracking &
Positioning
System (Receiver)

RFO ITPS 24

Product Description

The compact receiver with Ethernet connection

With the Indoor Tracking & Positioning System (RFO ITPS24) you get a flexible wireless infrastructure for locating people and/or mobile objects inside buildings.

The modularity of the individual radio components and the open protocol allows very slim solutions that can operate with a minimum number of devices without additional software licenses and thus keep your project budget to minimum.

At the same time the system can be extended to a very powerful solution with very high resolution and configured with full automation if the application requires. Finally you only use the type of hardware you need for the project.

The ITPS24 Ethernet receiver is mounted at the relevant points in the building and monitors permanently the environment for signals of the IPS01 or IPS02. Once these are in range, it sends the received IDs along with the signal strength value (RSSI) on to a server where the processing of all data takes place.

The ITPS24 Ethernet receiver can be operated with 24V or being supplied with electricity directly via "Power over Ethernet". Upon request, the device is also available in an IP65 housing and thus suitable for outdoor use or in dirt exposed environments.

Technical Specifications

Functional principal	2,4 GHz Radio (IEEE 802.15.4) with Ethernet
Antenna	Onboard Chip-Antenna
Dynamic field	99 dB
Channels	Channel 11 - 26 supported
Interface	10/100 MBit Ethernet
Power supply	24V DC or 48V DC (PoE-Option)
Housing	ABS, UL94-V0, IP54 (IP65 optional)
Dimensions	120 x 90 x 50 mm
Weight	ca. 200 g
Certificates	CE (z.B. EN 300 328, EN 300 440, EN 60950)

Article no:		RFO ITPS 24
	UBS Stick (Debugging)	RFO ITPS USB

Typical Applications

- Security service
- Access control
- Asset management (dynamic)
- General localitation
- Localitation of goods/people

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RADIOFORCE

ITPS XMIT
Indoor Tracking & Positioning
System (Transmitter)

XMIT 03

XMIT 01

XMIT 02

Product Description

The compact Transmitter for mobile applications or fix installation

With the Indoor Tracking & Positioning System (ITPS24) you get a flexible wireless infrastructure for locating people and/or mobile objects inside buildings.

The modularity of the individual radio components and the open protocol allows very slim solutions that can operate with a minimum number of devices without additional software licenses and thus keep your project budget to minimum.

At the same time the system can be extended to a very powerful solution with very high resolution and configured with full automation if the application requires. Finally you only use the type of hardware you need for the project.

The XMIT01, XMIT02 or XMIT01 transmit their configurable IDs in the space, which are recognized by the appropriate Receiver RFO ITPS24 and transmitted to a server.

The transmitters are available in two versions. One for objects (screw type, IP54, battery life at least 5 years) and the second version for people (as a key ring, battery life about 2 years).

Technical Specifications

Functional principal	2,4 GHz Radio (IEEE 802.15.4)
Antenna	Onboard Chip-Antenna
Transmitting power	max. 4 dBm
Channels	Channel 11 - 26 supported
Battery	2 x AA (IPS02) or button cell (IPS01)
Battery autonomie	min. 5 years IPS02) or 2 years (IPS01)
Radio-interval	adjustable, every second
Housing	ABS, UL94-V0, IP54
Dimensions	IPS02: 80 x 60 x 30 mm
	IPS01: 50 x 35 x 10 mm
Weight	95 gramm (IPS02) or 45 gramm (IPS01)
Konformität	CE (e.g. EN 300 328, EN 300 440, EN 60950)

Article no:		
	Mobile applications (alarm button)	**XMIT 01**
	Fix installations (e.g. buildings)	**XMIT 02**
	Mobile applications (e.g. People)	**XMIT 03**
Accessories:	UBS Stick (Receiver)	**RFO ITPS USB-R**

Typical Applications

- Security service
- Access control
- Asset management (dynamic)
- General localitation
- Localitation of goods/people