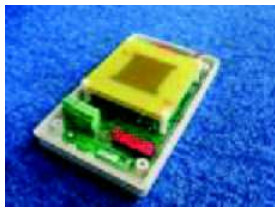


Active System “Linx” - Starter Kit

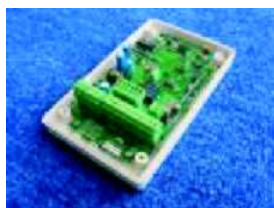
The Linx system is an active identification system made of three different devices:

- the Activator LX2101, a microwave transmitting unit
- the Active Tag LX1004, a double frequency transponder
- the Receiver LX2002, a radio frequency receiving unit.



*Activator LX2101
LX1004*

The device that, with a microwave beam, activates the transponder.



Receiver LX2002

The device that receives data from the transponder. Can work as a stand alone unit or connected to an access control system.



Transponder LX1004SQ

Double frequency OEM Transponder



Transponder

The transponder LX1004 is used to personal and vehicle identification

To do identification with Linx is easy and intuitive. The active transponder is normally quiescent, until it gets activated by the microwave device that awakes it. Only then the active tag starts up, reads the signal transmitted by the activator, runs all the necessary operations and then transmits its code and the requested data to the receiver.

The peculiarity of Linx system's active transponders is that they use two different frequencies, one for the activation and one for the reply. The most important advantage of active systems (powered by a battery) is that they can reach much longer operating ranges (meters or tens of meters instead of only centimeters). Linx using active transponders that generate their frequency on board, gives you a great signal reliability in the down-link section and a great flexibility in the communication in respect of passive backscattering systems.

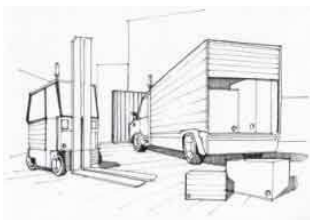
The Linx system has beside its identification function also the possibility multiple starting and continuous log-on. It is possible to do a bidirectional data exchange. Linx allows Multi – receiver applications. This means: Only one starter can work with many different receivers.

Application areas

The Linx system can be used in the fields of security, access control, home/building/factory automation and supply chain. The Linx system has performances incomparable by other systems, thanks to the

precise and intelligent management of the activation and communication functions.

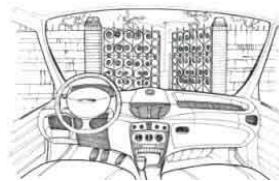
The Linx system allows for the automatic identification of people or vehicles as soon as they approach the check point. It is also used with great success to monitor and support data communication and transmission in fairs and exhibitions, to automate gates opening, to manage parkings, to handle toll payment or for fleet management and logistics.



Logistics



Warehouse



Access Control



Identification

Advantages

In many applications Linx has undoubted advantages in terms of easiness of use. Linx can cover any transponder activation range up to 15 meters. The transponder can communicate with high efficiency with the receiver up to 80 meters far away.

The Linx technology allows the creation of very complex systems at affordable prices, permitting the automation of industrial but also domestic installations. Linx is very simple to use. It allows to create very complex applications at reasonable cost and is a nice solution for many different applications.

In addition, Linx gives the possibility to upgrade all current applications using 125kHz Read Only technology (such as EM4100). Thanks to the Linx Active Booster, it is possible to transmit the UID number of a standard 125kHz Read Only card in the same way and the same long distance as achieved with the Linx Active transponder.

Principal features

- Double frequency identification system
- Tuneable activation range (up to 15 mt.)
- Wide communication range in reply (up to 60 mt.)
- Precise spatial definition of the activation area
- Multi-receiver mode
- Read / Write capability
- Full anticollision
- Very low battery consumption. Tested for 150.000 cycles.
- Activation frequency: 2,45 GHz
- Reply frequency: 433 MHz
- Power consumption while transmitting RF 25 mA; while receiving MW 4 mA; In stand-by 1.5 μ A
- Activator interface: RS422
- Receiver interface: RS232, RS485, Weigand, Clock+Data.
Option: Ethernet, WiFi
- Power consumption while Booster available for EM4100 Read Only card (125kHz)
- Very low emission
- Full software package including demo software, drivers, DLL and description.

Test it now

If you want to test the performance of the Linx system, test it now. iDTRONIC offers the Linx Starter Kit containing:

- 1 pcs. activator LX2101
- 1 pcs. receiver LX2002
- 5 pcs. transponder LX1004
- 1 pcs. booster for 125kHz card LX1009

The LINX Starter Kit comes with full documentation and technical support.