

tranSpeed®

Long range identification system



The RFID Company

deister 
electronic



No. 1 in long range identification worldwide

deister electronic is recognised as a leading RFID (Radio Frequency Identification) company bringing innovative solutions to a diverse range of markets worldwide.

The tranSpeed product family is primarily designed for automatic vehicle identification (AVI) and driver identification in applications such as parking management using either the latest UHF technology or microwave technology. Due to the product's superior performance it has a wide market appeal making it the ideal choice for container tracking and other applications requiring high speed detection.

tranSpeed is a complete family of products for all your requirements. From readers and transponders, through to controllers, software and accessories including the fixing brackets. Card boosters are available to extend reading distance of common proximity access control cards,

thereby allowing the use of existing employee cards to provide automatic driver identification.

The need for long range identification extends beyond the AVI market. tranSpeed products are suitable for implementation in many other applications where the reliable tracking and management of objects using long range RFID is required.

For the best in performance and application flexibility deister electronic supports both active (battery-powered) and passive (battery-less) transponders. Where reading distances of up to 8 metres or if high speed detection is required active long life battery-powered transponders offer the best performance. When convenience and simplicity matter, battery-less self adhesive windscreen transponders are the ideal solution for AVI. Dual technology cards can be used for driver identification.

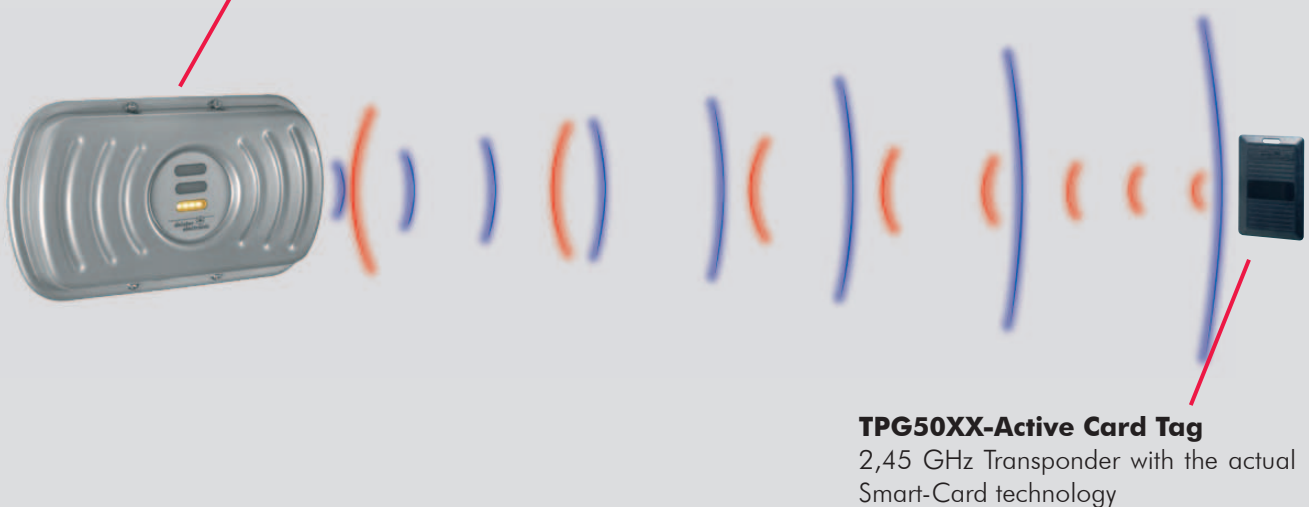


The tranSpeed family is a modular solution in which a total system can be built with different components which are easy to setup and use. The components are all designed to work seamlessly with each other right from the fixing brackets through to the intuitive software.

All the components are available to OEMs (manufacturers) and system integrators, who are able to incorporate tranSpeed components to provide powerful solutions for parking management, payment applications or simply to integrate the tranSpeed products in a building management or access control system.

Long range reader TSG60

Easy installation -
Long reading range



TPG50XX-Active Card Tag

2,45 GHz Transponder with the actual Smart-Card technology



Passive and active solutions

IR motion detector

Adjustable reading range

Status provided by high visibility LEDs

Standalone or networkable

Comfortable and easy parking

The convenience of modern long range systems overcomes all disadvantages of keypads or close proximity solutions. The RFID experience of deister electronic enables products designed to operate under worst environmental conditions with always fast and reliable vehicle detection.

Parking and access in combination

The readers are equipped with standard interfaces for direct connection to many of the world's access control systems. A single card can be conveniently used for both physical access and long range identification.

Cards are available in dual technology supporting all common proximity standards. tranSpeed readers are also suitable for long range access control to main doors and entrances for people.

Quality from deister

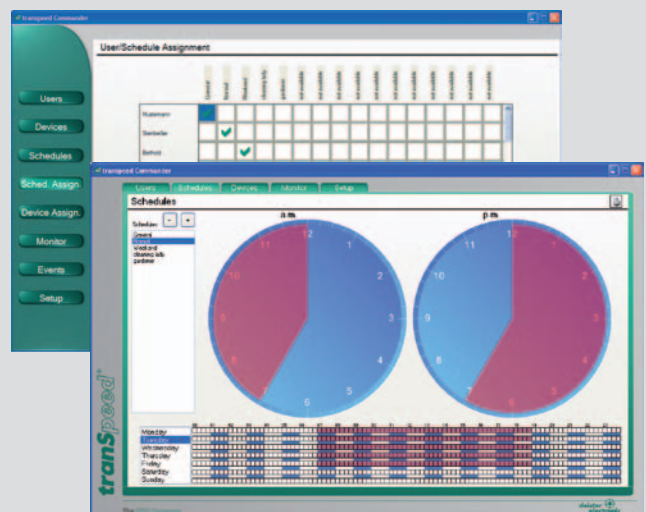
deister has been developing identification solutions for more than 30 years. We design, develop and manufacture products that provide solutions exploiting the latest RFID technology to respond rapidly to the needs of our customers.

For further information visit www.transpeed.eu



The commander software tool

An intuitive configuration tool to setup vehicle or user rights and time schedules. Available as a PC software for the IDC controller or incorporated as a web server inside the more powerful IPC controller which allows access using a standard web browser from anywhere in the world. In order to activate user rights fill in the form and click the exits and entrances the user shall be authorized to use. Schedules can be enabled using the watch display to define a clearly visible time frame in which the user or vehicle is allowed permission. All historical transactions and events are stored in the controller until connected to the commander software for downloading or monitoring.





TPG55XX - active card tag

A family of 2.45 GHz active transponders for use with the TSG60 long range reader. These transponders are fully encapsulated in a robust housing that has the footprint similar to standard ISO card.

Battery life is guaranteed for 5 years. The transponders are available with a choice of secondary technologies enabling use the latest smartcard technology in the same card to complement an existing system.



TPG55XX



TPG65XX

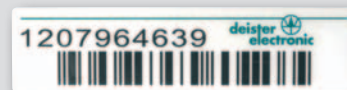
TPG65XX - active heavy duty tag

A series of 2.45 GHz heavy duty transponders that are durable and totally weatherproof. Ideal for applications which are in harsh environmental conditions.

All 2.45 GHz transponders for use with the TSG60 can be combined with popular smart card technologies. These double technology transponders can incorporate mifare®, HID, 3-Des or AES encrypted card technologies. Encoding the smart card section with the same number as the long range element means that the card can be used on more conventional short range readers as found on access control and time and attendance systems. Hand-held readers can also be used to verify the card holder and the cars parked on your premises.

TPU3060 - UHF windshield tag

A thin and flexible label allowing quick and easy mounting to the inside of a vehicle windscreen. The TPU3060 series of tags have been optimised to work specifically on a glass surface.



TPU3060



TPU3050

TPU3050 - UHF ISO smart card

A passive ISO credit card sized transponder suitable for use with the TSU25 medium range reader. The transponder obtains energy from the reader field so no batteries are required thereby providing a very cost effective and long life solution for many applications.

Card booster

The card booster provides convenient automatic driver identification (ADI) by using the person identification card. Existing access control cards can be retro fitted with a UHF button sized label. The booster is attached to the windscreen and provides the amplification needed so that the card performs as the AVI windscreen transponder.



Cardbooster



TSG60 - The long range reader

A compact reader designed for outdoor use providing reading distances up to 8 metres using long life active transponders. The reader has a well defined adjustable reading distance making it suitable for lane control in installations where multiple readers are used. Also suitable for high object speeds. The TSG60 is ideal for vehicle, train and container identification. It's modern sleek design means it does not look out of place.



TSG60



TSU35

TSU25

TSU35 – for maximum reading range

TSU25 – for optimal reading range

UHF-Readers conforming to the ISO 18000-6 and latest global RFID standards utilize passive (battery-less) UHF transponders.

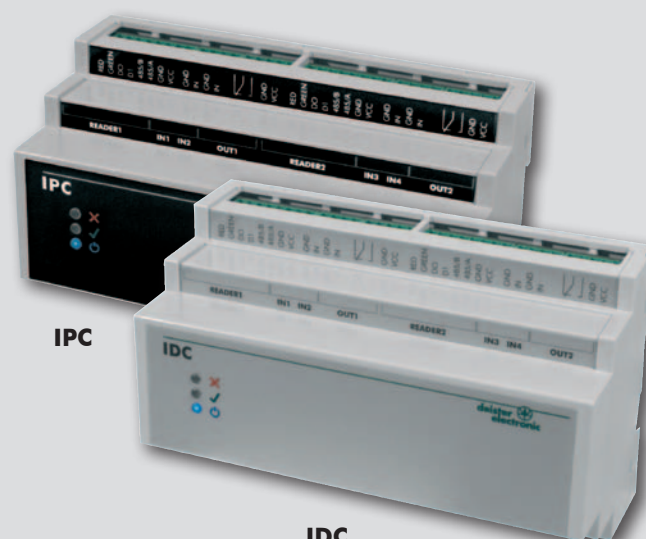
The readers are ideal for parking applications and are easily interchangeable by a simply connection plug. Large LEDs provide clear visible information for access granted or denied. An optional motion sensor activates the UHF antenna as needed allowing several readers to work together without interfering with each other.



IDC and IPC controller

Two controller options that can work together or independently. The IPC is a true IP controller with built in web server so you only need a web browser to access it from anywhere in the world. This also avoids the need to install special software. The IDC controller's configuration is done using the tranSpeed Commander Windows® software.

Both controllers support up to two readers making them ideal for gates, barriers or lights. The controllers can be networked together to control up to 16 entrances. The powerful web based IPC can be used as the master to control 16 IDC controllers.

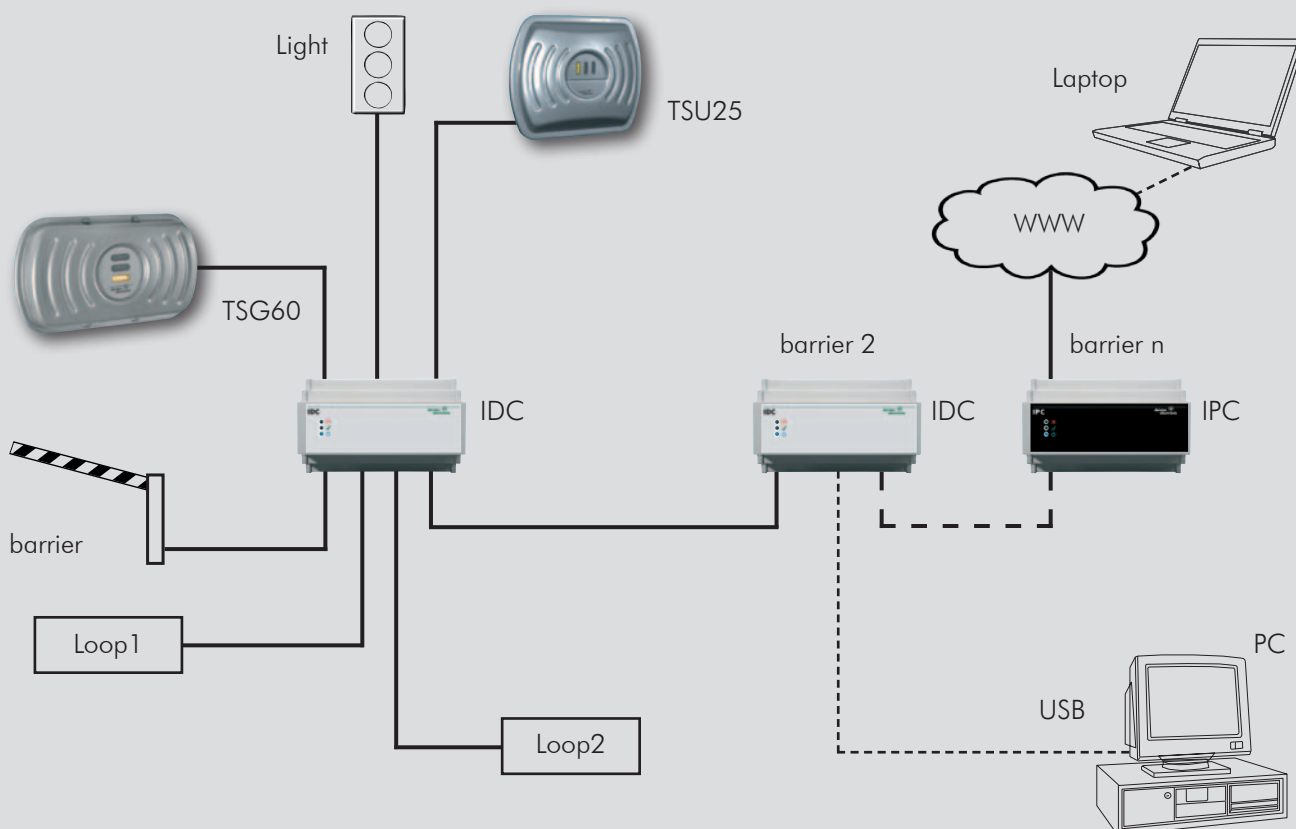


IPC

IDC

Both the IDC and web based IPC controller operate as standalone devices. To connect the IDC controller to a PC requires the interface converter SNG3. Up to 16 IDCs can be connected in one system over it's own network (deister deBus). All readers and controllers are connected using only four core cable for both power and data providing superior performance in harsh electrical environments.

To upgrade a PC based system using IDC controllers to a complete web based system only one of the IDC controllers needs to be changed for an IPC controller. All the IDC functions including event logging and memory back up remain in operation with the added benefit of web based access to the complete system.



RFID - the driving force for many applications and markets!

deister electronic is recognised as a leading RFID company bringing innovative solutions to a diverse range of markets worldwide. Within the security division we market products for access control, biometric verification, video technology, key management, manned guarding, personal security and vehicle identification. Within our industrial division we market products and systems for the supply chain, logistics, manufacturing, automation, waste management, vehicle locking, textile-identification and timing systems for the sport of pigeon racing. Our technology experience encompasses all aspects of design from low level chip development to complex software algorithms for intelligent systems, through to mechatronics, the combination of mechanical, electronic and computer engineering.

For further information and contact details please visit us under: **www.deister.com**