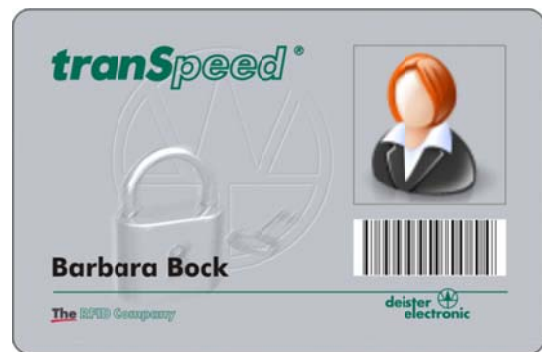


transSpeed®

Vehicle identification systems and components

Fast, reliable and accurate long range automatic vehicle or driver identification eliminates traffic queues at entrances and exits providing positive identification in all weathers. Ideal for parking, traffic management and hands-free driver access or to control restricted traffic in city centres and airports. The technology can also be applied to railways and toll roads. transSpeed seamlessly integrates to other control systems using standard interfaces or can operate as standalone solution. Wide choices of transponders are available including rugged tags, self-adhesive windscreen labels and cards.



Dual technology ISO card transponder

TPU 74xx ISO transponder cards are ideal for applications where long range identification in combination with smart card technology is required. These "2 in 1" transponders are equipped with a passive UHF chip to ISO standard 18000-6C as well as a highly secure 13.56 MHz technology. Leading transponder technologies such as mifare®, and LEGIC® can be integrated so that it is possible to use the TPU 74xx transponder for long range identification in vehicle access control and people access control applications. The user is able to programme the transponder with a programming station. Diverse security measures are integrated to guarantee data integrity and to prevent the transponder being copied. Using the card holder CH 6 it is possible to attach the transponders to the inside of the windscreen of the vehicle. A specially developed antenna technology makes it possible to maximize the reading distance in the 13.56 MHz band – while maintaining a very good UHF identification range at the same time. The innovative design of the antenna also makes it possible to carry the ISO card as a printed means of identification worn on the user's body or held in the hand and at the same time achieve optimum reading distances.

Your benefits at a glance:

- **Excellent performance when attached behind windscreens with sun protection**
- **Just one transponder for vehicle and driver**
- **Card personalization possible (photos, logos etc.)**
- **Temperature resistant**
- **Optimum range when worn on the body or held in the hand**

Technical data

Dimensions WxHxD: 85 x 54 x 0.8 mm

Protection class: IP65

Operating temp.: -20...+80°C

Frequency: 13.56 MHz / 868-950 MHz

Transponder technologies: ISO 18000-6C
EPC Class 1 Gen 2
mifare DESFire EV1
Legic Advant

Reading distance:
UHF Up to 6 m, depending on reader and ambient conditions
HF Up to 3 cm

OTP: User formats up to 64 bit

Dual technology Combinations: TPU 7411 UHF + DESFire® EV1/8 kB
TPU 7421 UHF + mifare® classic/1 kB
TPU 7431 UHF + mifare® plus/4 kB
TPU 7441 UHF + LEGIC® Prime/256 bit
TPU 7442 UHF + LEGIC® Prime/1024 bit
TPU 7451 UHF + LEGIC® Advant/4 kB
Other combinations on request.