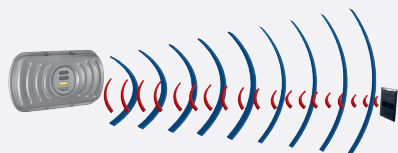


ACCESS CONTROL

tranSpeed provides long-range and hands-free vehicle identification and entrance control

The tranSpeed Automatic Vehicle Identification (AVI) system is designed for applications where hands-free, automatic long-range identification of vehicles from a distance of up to 8 or even 10 metres is required.



Developed by deister electronic, a leading German manufacturer of RFID solutions for access control and

identification applications, tranSpeed has been in the AVI market for more than 10 years and is now used worldwide at commercial buildings, condominiums, government buildings, clubs and resorts, schools, hospitals and others. Available in the Asia Pacific region through sole distributor Coselec, tranSpeed AVI readers and transponders are in use at more than 500 sites in Singapore, Malaysia, Australia and Thailand.

The tranSpeed AVI range of products is developed primarily for vehicle and personnel/object identification within the 2.45 GHz microwave range for contactless hands-free parking facility management, logistics and industrial applications.

tranSpeed TSG60 reader

The tranSpeed TSG60 reader is the third generation enhanced AVI product evolved from its successful predecessors, the first generation PRX50 and the second generation PRG55. The TSG60 reader features a highly compact and aesthetic design, yet is ideal for hostile and harsh environments with its robust housing and IP65 protection.



The reader is available in different interfaces and protocol such as open collector, RS485, wiegand, data clock, magstripe and RS232/485. Operating on a 2.45GHz frequency, it is highly compatible with most existing controllers in the market and is easily installed and integrated. With a stable and reliable reading distance capability of up to 8 metres, the TSG60 also offers configuration flexibility as users can adjust the reading range to below 8 metres.

TPG5xxx series transponders

The tranSpeed AVI system offers two types of transponders to be used with the TSG60 reader: the credit card type and the heavy-duty type. Available in different combinations of customised chip technologies such as mifare, legic, ISO15693, HID, EM and deister with different

programmable bit formats up to 64bit, this technology flexibility offers a key advantage to users who are looking for a one-card solution for both vehicle identification and door access application or for near-field or far-field application.

The semi-passive technology is recommended for high read-range applications of up to 8 metres and vehicles travelling at high speeds of up to 200km/h.

Credit card type: for personnel and vehicle identification access control. It is usually attached on a cardholder or carried by the person.

Heavy-duty type: for industrial and logistics applications such as tracking of truck containers, trailers and machineries. It can be mounted directly onto metal surfaces or any other metallic material and still obtain the optimal reading distance.

Benefits of tranSpeed TSG60 AVI product:

- Easy to install and maintenance-free
- High speed and reliable detection
- Rugged and compact housing
- Weather-proof with IP65 protection
- Audible and visual feedback with large LED signals for easy system operation
- Adjustable read range
- Multi-channel frequency settings
- Dual-technology transponders for a single-card solution (2.45GHz and 13.56MHz/125KHz)
- Supports broadest range of card technologies (mifare, legic, deister, HID, EM, etc.)

New tranSpeed TSU25 and TSU35 with UHF technology and passive UHF transponders



Recognising a market demand for lower read-range with lower cost transponders, deister electronic has recently developed another range of AVI products – tranSpeed TSU25 and TSU35.

To be launched in the second quarter of this year, TSU25 and TSU35 will meet the AVI demand for read-range of up to 4 metres with passive UHF transponders. The aesthetic and compact TSU25 and TSU35 readers, which are based on passive UHF technology, use passive UHF transponders in the form of windshield labels. This offers the advantages of cost savings and longer transponder life-span. There is also an option of having a dual-technology card for applications that call for a single-card solution for both vehicle and door access control.

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