


The Proven RFID Long Range Reader for Vehicles/Personnel Access Control



Features and Benefits

- ✓ Fast and reliable identification of up to 8 metres
- ✓ 100% hands-free system
- ✓ Dual-technology transponders for a "Single-Card" solution (2.45GHz and 13.56MHz/125KHz)
- ✓ Supports broadest range of technologies (mifare[®],  , deister, EM, etc.)
- ✓ Aesthetic and rugged housing
- ✓ IP65 Protection
- ✓ CE Approved and iDA Registration No. S0635-06
- ✓ Adjustable reading range
- ✓ Maintenance free



TSG60 The Active Long Range Reader for Reliable and Fast Identification



The TSG60 is a long range reader which is specially designed and developed for applications where personnel/vehicle identification up to 8 metres (or even 10 metres) is required. It offers multi-credentials reading of up to 12 credentials simultaneously in anti-collision protocol mode. Enclosed in aesthetic design housing and at the same time rugged, sturdy, anti-corrosion and waterproofing, TSG60 is exceptionally compact providing optimum performance even in hostile, harsh, wet/hot environment that is frequently exposed to harsh elements such as sun, rain, dust and humidity factors.

Features

- easy to install
- service friendly
- rugged enclosure, suitable for outdoor usage
- anti-corrosion, waterproof enclosure
- high speed detection for a reliable identification
- audible and visual feedback for easy and safe system operation
- excellent reading distance even in tilted angle
- anti-collision
- compatible with most existing access control system
- adjustable reading distance
- up to 32 readers cross-linkable
- iDA Registration No. S0635-06
- CE Approved

Technical data of TSG60

Dimension (mm)	Protection Type	Housing	Operating Frequency	Power Supply	Interface	Reading Distance	Operating Temp
295 x 170 x 76	IP65	ABS / PMMA / Aluminium / V2A	2.45GHz -3.8MHz ... +3.7MHz	10..30V/ DC • Max. 300mA	Wiegand, Data Clock, RS232 or RS485, Magnetic Strip Emulation (optional), Open Collector	Up to 8 metres depending on credential type and surrounding	- 20°C to +60°C

TPG5000 series transponders

The TPG5000 series credential range is designed to be used along with the TSG60. There are 44 bit fixcode and up to 64 bit customised data formats available. A special technology allows a long lifetime of min. 6 years.



Credit Card Type

For personnel and vehicle identification access control. It is usually attached onto a cardholder or carried by the person. It comes with a unique feature of built-in air valve membrane to prevent from warping when exposed to volatile high temperature.



Heavy-duty Type

For industrial and logistics applications i.e. 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.

Technical Data

Credential Type	Format	Frequency / Chip Technology	Dimension	Protection Type	Operating Temp.	Typical Reading Distance	Battery Life
Credit Card Type							
TPG 5001	44 bit fixcode	2.45GHz	85 x 54 x 6mm	IP54	+5°C to +60°C	8 meters	min. 6 years
TPG 5051	Customised	2.45GHz					
TPG 5002	Fixcode, Dual Technology	2.45GHz + 125KHz EM & C-line					
TPG 5052	Customised, Dual Technology	2.45GHz + 125KHz ClassicProx					
TPG 5062	Customised, Dual Technology	2.45GHz + 13.56MHz mifare					
TPG 5072	Customised, Dual Technology	2.45GHz + 13.56MHz LEGIC					
TPG 5082	Customised, Dual Technology	2.45GHz + 13.56MHz ISO15693					
Heavy-duty Type							
TPG 5003	44 bit fixcode	2.45GHz	91 x 59 x 8mm	IP65	-25°C to +60°C		
TPG 5053	Customised	2.45GHz					

Specifications subject to change without notice

* The reading distance can be affected by Vehicles fitted with Sun-X, Vkoool or other heat reflecting materials.

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