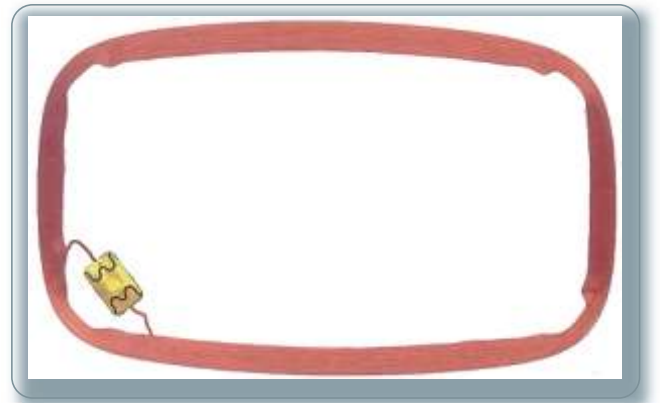


Hitag-2 Cards / Key Fobs

Utilization possibilities

The Hitag2 identity card always functions dependably even under difficult environmental conditions for example dampness, dirt or mechanical influences (also refer to the care instruction page). Simple functions such as for example BDE, Parking access or access control can be implemented with this device.



Function

As soon as the passive Hitag2 transponder arrives in the readable sector of the terminal, an electro-magnetic field is built by which means the Hitag2 transponder and the reading device can transfer data. The complete storage is 256 Bit of which 128 Bits can be utilized/configurable. Storage units for the Hitag2 are broken down into blocks. A block comprises of 4 pages. collision recognition tool to run.

Print/refinement

Cards:

The identity card will be designed and produced according to the instructions and technical possibilities. The identity card can be printed both on the front and reverse in one or several colours. Additional safety characteristics such as for example geometrical printing or hologram are also possible. Other options are for example coding, numbering, or even personalization or embossing.

The optimal printing technology will be selected according to the print run and layout/colours, such as for example offset, screen, re-transfer or thermal sublimations/thermal transfer printing.





Keyfobs:

Laser engraving can be utilized for the production of for example for an optical numbering. A single or multiple colour printing with a logo or script is also possible. A photo printing underneath a transparent cover is also possible upon request.

Hybrid media (Multiple technologies)

The Hitag2 can naturally also be combined with other technologies within a medium. It must however be noted that same frequencies can lead to disruptions or even a complete loss of functionality capability for the individual technologies. Therefore multiple technologies within one medium working on the same frequencies are not recommended. Supplementary versions can for example be Legic®-, Mifare- or i-Code- or even the utilization of processor chips or a magnetic stripe.

Technical information Hitag 2

Characteristics	Card	Key rings		
		A	B	C
Material	PVC	ABS plastic		
Colour		 *	 **	 *
		Each with a grey cover**		
Connections	laminated	Ultra sonically welded	pressed	pressed
Surface	High gloss/lusterless	lusterless	lusterless	lusterless
Format	86 x 54 x ca. 0,76 mm Special formats upon enquiry	round	oval	round
		Other construction formats upon enquiry		
Frequency	125 kHz			
Chip type	passive (without battery)			
Writing-/reading space	approximately 7 cm (Depending upon antenna and reading device)			
Storage medium	E ² PROM (Read/write)			
Storage size	256 Bit, from that 128 bits can be utilized			
Modulation	ASK (Amplitude shift keying)			
Transfer rate	Mode dependant			
Data storage lifetime	approximately 10 years			
Delete/write cycles	approximately 100,000			
Storage functions	32-Bit-Serial number /freely configurable data			
Access	Read/write OR write protected OR red/write protected OR OTP-Mode			
Safety	Password / Crypto			
Anti-collision protection	Available (Reading device must be appropriately equipped)			
Transaction time	from approximately -40° C up to approximately. + 85° C			
Temperature area				

*other colours upon enquiry

**cover colours tone-in-tone upon enquiry

Other construction formats available in the delivery program.
The right to make technical changes is retained.