

PRODUCT DATASHEET

iID[®] RFID Transponder

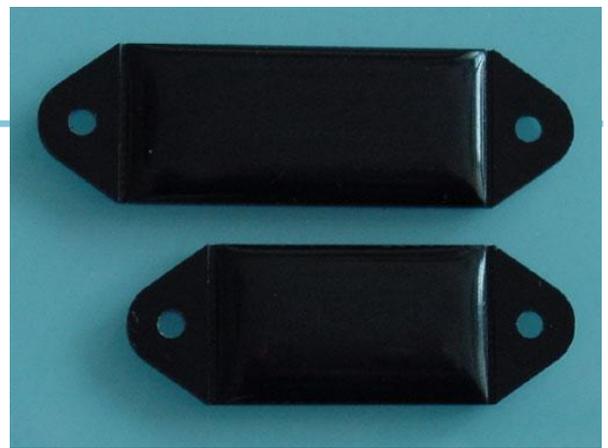
WIN-TAGspecial preliminary

13.56 MHz transponder for industrial applications:

- part and equipment tagging
- high memory and sensors available
- TAG on metal possible
- especially designed for building industry

This transponder package is available with different chip types. They are integral part of microsensus iID system solution. Lens form transponder devices are very useful for integration in metal plates.

microsensus offers an attractive component platform for closed coupling RFID solutions.



microSensus
RFID in motion

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Carrier Frequency:	13.56 MHz
Technology:	RFID system iID [®] 2000, closed coupling, based on ISO 15693
Memory:	read write type: EEPROM, endurance >100.000 cycles, data retention > 10 years, (special type: > 60 years) ID-No and user OTP possible
Comm. Distance:	up to 15 mm, dependent on reader antenna and metal environment
Dimensions:	type 14.xx.919.00: approx. 98 x 32 mm, max. TH 2.5 mm type 14.xx.918.00: approx. 60 x 20 mm, max. TH 2.5 mm
Packaging Material:	chip in multi ferrite layer epoxy packaging, front side black EP, hermetically encapsulation
Mounting Instructions:	direct using on metal possible
Marking:	standard without laser printed, optional one colour tampon printing
Operating Temperature:	-25°C ... +85°C
Storage Temperature:	-45°C ... max. +125°C
Appropriate RFID Reader:	PEN reader, UNI13, POCKET mini, CFC reader, M30 HEAD and more
HOST Command Set:	see actual API documentation of microsensus iID driver engine or data sheets of silicon chip manufacturer

TAG Types	14.63.91x.00	14.61.91x.00	14.36.91x.00	
System:	ISO 15693	ISO 15693	ISO 15693	
Chip Type:	my-D	my-D	iID-Q long live	
Memory Capacity	2k RW	10k RW	2k RW	bit
Data Retention	>10	>10	>60	years
Comm. Rate	26.4	26.4	26.4	kbits
Comm. Distance	10	10	10	mm

measured with P13 reader antenna type

