

PRODUCT DATASHEET

iID® Transponder

QUIN-TAGspecial

HF-RFID for industrial applications and harsh environmental conditions

- passive RFID communication 13.56 MHz
- hard TAG with stainless steel loop
- EPOXY casing, comfort multicolor printing possible
- reusable mounting
- 1 kbit up to 16 kbit memory
- designed for item and object tagging, especially in transport and logistics, chemical industry, maintenance

This transponder device is an integral part of *microsensys* iID® system solutions. They are working optimally with *microsensys* standard RFID reader components.



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microSensys
RFID in motion

This data sheet is subject to change
contact microsensys for latest information

QUIN-TAGsp 006

RFID Technology:	close coupling RFID system iID®2000/3000, ISO 15693	
Chip Type:	SLIX, SLIX-S, iID®X, ST25, iID®G others on request	
Carrier Frequency:	13.56 MHz	
Communication Rate:	down link 26.4 kbps	
Communication Distance:	0 ... 20 mm dependent on reader antenna, chip type on metal application	
Memory:	EEPROM FRAM endurance >10 ⁵ cycles, data retention >10 (50) years endurance >10 ¹² cycles, data retention >10 years 0.9, 1.3, 2, 16 kbit available	
Memory Capacity:		
Special Functionality:	iID®X type is X-ray suitable, see data sheet of chip manufacturer	
Operating Temperature:	-25°C ... +85°C	
Storage Temperature:	-45°C ... +125°C 150°C for short time, high temperature on request	
Dimensions:	approx. 33 x 30 mm, max. TH 3 mm	
Casing Material:	EPOXY multi-layer plastic package, carrier glass fibre reinforced, front side black EP	
Marking:	standard laser printed, type 551 type 552: optional two-colour tampon printing type 553: optional, only for SLIX, single-colour label, coated type 554: optional, only for SLIX, with printed label, coated	
Mounting Instructions:	attach by screw or blind rivet, use directly on metal possible, plane side on metal	
Protection Class:	IP67	
Appropriate RFID Reader:	PEN reader with RS232TTL, USB or Bluetooth interface, POCKET reader with USB and Bluetooth interface, especially for mobile data capture M30 HEAD with RS232 or USB interface INDUSTRY 0906 with RS232, USB, PCAN or Ethernet interface UNI13 or Q10 13.56 MHz read write module, for <i>microsensys</i> OEM partners only	
HOST Command Set:	see current API documentation of <i>microsensys</i> iID® driver engine or data sheets of silicon chip manufacturer	
Software:	various software for Windows PC or mobile devices available, for application software please contact info@microsensys.de	

Type:	13.45.551	13.47.551	13.72.551	13.53.551	13.82.551	*on inquiry
Special Features:	-	long life	-	-	X-ray suitable	
Chip Type:	SLIX	SLIX-S	ST25TV02	iID-G	iID-X	
RF Standard:	ISO 15693	ISO 15693	ISO 15693	ISO 15693-2	ISO 15693	
Memory:	0.896;E ² PROM	1.3; E ² PROM	2; E ² PROM	16; E ² PROM	16; FRAM	kbit
Data Retention:	>10	>50	>10	>10	>10	years
Commun. Rate:	26.4	26.4	26.4	26.4	26.4	kbps
Write Time:	5	5	5	5	<0.5	ms