PRODUCT DATASHEET

iID® Transponder

UHF PLATE 2550

robust UHF TAG on metal, customized laser print

- passive RFID UHF band, EPC Class1 Gen2
- black stainless steel plate with RFID unit
- 2D laser print, graphic laser printing, ID laser printing
- EEPROM memory
- mounting with cable ties or metal bands or adhesive
- using under very harsh environmental conditions
- especially designed for asset management of metal and non-metal objects

These transponder device is an integral part of *microsensys* iID® system solutions.

Picture: Plate2550 steel (optional laser marking)

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This data sheet is subject to change
Contact us for latest information

UHF-PLATE255 011

RFID Technology:	far field RFID system iID®4000	based on ISO 18000-6c, EPC Class1 Gen2
Chip Types:		ALIEN HIGGS 3 or IMPINJ M4
Frequency Range:	860-928MHz	
Minimum Operating Power:	-18 dBm	
Polarisation:		linear
Communication Rate:		forward link: 40-160kBit/s return link: 40-640kBit/s
Communication Distance:	0 … 1.5m on non-metal 0 … 1.5m on metal	dependent on reader system and environmental conditions
Memory:	EEPROM	endurance 100000 cycles, data retention 50 year (T<55°C) features are depending on used RFID chip
Memory Capacity:	standard	512 bit user memory, 96 bit EPC memory, 64 bit TID memory
Special Functionality:		see chip manufacture data sheet
Operating Temperature:	-40°C ... +85°C	
Storage Temperature:	-45°C … +125°C	up to 200°C on inquiry
Dimensions:	approx. 25 x 50mm², thickness stainless steel 1mm, RFID unit thickness max. 4.0mm	
Case Material:	high quality stainless steel plate, RFID unit packaged in PEEK case	
Mounting Instructions:	adhesives on a flat surface, with cable tie, metal bands or splined pin	on metal or non metal objects
Marking:	laser printing customized:	
	UID number:	numerical ID and DataMatrix ID
	RFID-Unit:	ISO RFID logo (laser printed), ID (electronic memory)
Appropriate RFID Reader:	POCKETwork UHF	pocket reader
	CASIO IT-G500 UHF, Zebra TC77 UHF-LEGIC	handheld industry computer
	INDUSTRY 0906 UHF	stationary reader with integrated or separate antenna
	others possible	
HOST Command Set:	see actual API documentation of microsensys iID® driver engine	

Type :	-	
Chip Type:	ALIEN HIGGS 3	
Memory:	512 (user)	bit
Data Retention:	50	years