

PRODUCT DATASHEET

iID[®] Read Write Interfaces

iID[®] module PA7665

HF-RFID read/write module

The iID[®] read/write module UNI20 belongs to long time approved *microsensys* OEM products for different HF RFID transponder systems. This type of reader can be adapted very simple in end customer devices and equipments. Different HOST interfaces and antennae are possible with customized field direction.

A comfortable set of software functions supported over *microsensys* iID driver engine or and the polling mode makes this reader very flexible for customer solutions.

microsensys offers an attractive component platform for RFID solutions – from transponder over smart readers to practical software tools



microsensys GmbH
In der Hochstedter Ecke 2
D 99098 Erfurt

microSensys
RFID in motion

TEL +49-361-59874 0
E-MAIL info@microsensys.de
FAX +49-361-59874 17
WEB www.microsensys.de

This data sheet is subject to change. contact *microsensys* for latest information
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RFID Technology:	RFID system iID [®] 2000		
Standards:	based on ISO 15693		
Chip Solutions:	I-CODE [®] , Tag-it [®] , my-D [®] , iID [®] M, EM chip types, iID [®] G sensor or high security systems TELID, my-D, Mifare on inquiry		
Basics:	short range read/write and read only		
	standard command set of iID [®] driver engine		
	downloadable iID [®] reader operation system for upgrades		
RFID Air Interfaces:	13.56 MHz RFID, high speed and fast mode		
Operating Distance:	0 ... 50 mm	depending on transponder, reader antenna and metal environment	
Reader Antenna:	standard: integrated P4813, others optional on inquiry		
Field Direction:	standard: orthogonal to the board		
Miscellaneous:	standard type don't support anticollision		
HOST Interface:	I ² C, P-CAN		
Additional PINs:	depending on device type RESET, TAG-FOUND, LED1-4		
Connectors:	ERNI 214014 (8 pins) and Phoenix Contact socket strip (8 pins)		
Power Supply:	6.5 ... 9V	depending on device type	
Power Consumption:	IDLE mode: typ. 20mA SLEEP mode: not implemented ACTIVE mode: max. 100mA		
Software Interface :	iID [®] driver engine (Windows)		
Supported Commands:	see actual API documentation of <i>microsensys</i> iID [®] driver engine		
Device Size:	76 x 65 x 15 mm ³		
Casing Material:	PA 6 / black	electronic board is not closed on connector side	
Mounting Instruction:	mountable with 2 screws		
Operation Temperature:	0°C ... +45°C		
Atmospheric Humidity:	30% ... 75%, not condensed		
Storage Temperature:	-5°C ... +50°C		
Emissions:	examine for EN 300330		
Protection Class:	no IP class		

Type :	57.58.250.00	57.51.250.00*	57.57.350*	*) in development
Downloaded OP System:	iID [®] -2000	iID [®] -2000	-	
HOST Interface:	I ² C	RS232-C	P-CAN	
Power Supply:	6.5 ... 9	9 ... 24	9 ... 24	V
Communication Distance:	40	-	-	mm
	measured with standard antenna and D14-2k transponder, typically			