

PRODUCT DATASHEET

iID® Read Write Interfaces

M30 RFID HEAD

INDUSTRY HF RFID read/write unit

The integrated industry reader is designed for high speed transponder applications and can be used under harsh industrial environments. This device is available with different HOST interfaces as RS232, USB or RS232TTL. A comfortable set of software functions supported over *microsensys* iID driver engine 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



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

M30head-03

RFIDSystem:	HF	iID®2000/3000		
Standards:				based on ISO 15693, ISO 14443, ISO 18000-3
Chip Solutions:				I-CODE®, Tag-it®, my-D®, iID®M, EM chip types, iID®G, iID®L, TELID®200/300, Mifare®ultralight, on inquiry: mic3®, iID®K, NFC, TELID®, my-D®-S
Basics:		closed coupling read / write unit		iID® reader operation system standard type doesn't support anticollision depending on transponder type and metal environment A26 closed coupling A18 antenna in front direction
RFID Air Interface:		13.56 MHz RFID,		ISO 15693: 26.4 kbps
Operating Distance:		0 ... 50 mm		ISO14443: 106 kbps
Reader Antenna:				
Field Direction:				
Communication Rate:				
HOST Interface:		USB or RS232TTL		USB or Sub-D9 (cable 1.5 m)
Connector:				+5V +/-5%, stabilized, low noise over USB or Sub-D9
Power Supply:				typ. 30mA (idle mode)
Power Consumption:				typ. 100mA (active mode)
Software Interface :				iID® 3000PRO interface protocol
Supported Commands:				see actual API documentation of <i>microsensys</i> iID® driver engine
Options:		PC-Adapter for RS232TTL device		
Device Size:		D30 mm (M30x1.5), L 68 mm		
Casing Material:		plastic		
Mounting:		mountable with 2 nuts		please note metal environments
Operation Temperature:		0°C ... +45°C		others on request
Storage Temperature:				-25°C ... +70°C
Emissions:		examine for EN 300330		
Protection Class:		IP 65		without connector

Type:	78.99.250.00	78.96.250.00	78.99.600.00	78.96.600.00
Air Interface:	ISO 15693	ISO 15693	ISO 15693/14443	ISO 15693/14443
HOST Interface:	USB	RS232TTL	USB	RS232TTL
Power Supply:	5V+/-5%	5V+/-5%	7V+/-15%	5V+/-5%

*) in development or delivery only for special projects