

PRODUCT DATASHEET

iID[®] Read Write Interfaces

M30-HEAD UHF

INDUSTRY UHF RFID read/write unit

The integrated industry head is designed for UHF applications requiring compact form factors and medium communication distance paired with high performance in harsh industrial environments. This device is available with RS232 TTL and USB* HOST interface. A comfortable set of software functions and available SPC mode makes this reader very flexible for customer solutions.

microsensys offers an attractive system platform for RFID solutions – starting with transponders and sensors over smart readers to practical software tools.



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M30head-06

RFID Technology:	UHF RFID system iID [®] 4000
Standards:	based on ISO 18000-6c
Chip Solutions:	EPC C1 G2 (ISO 18000-6 Type 3), Alien Higgs 3/4, Impinj Monza 3/4/5, NXP UCODE and others
Basics:	compact and rugged UHF read / write unit integrated microcontroller with downloadable iID [®] operation system iID [®] interface protocol V4 command set
RFID Air Interface:	868/915 MHz UHF RFID
Operating Distance:	0 ... 150 cm, depending on transponder type and metal environment
Reader Antenna:	ceramic antenna, MP18
Field Direction:	front coil direction
HOST Interface:	RS232TTL, USB*
Connector:	USB or Sub-D9 (cable 1.5 m)
Power Supply:	+5V +/-5%, stabilized, low noise via RS232 TTL
Power Consumption:	max. 35mA (idle mode) max. 350mA (active mode)
Operation Mode :	DOC, SPC
Software Interface :	iID [®] driver engine (Windows, Android)
Supported Commands:	see actual API documentation of microsensys iID [®] driver engine
Options:	PC-Adapter, USB-RS232TTL adapter
Device Size:	D30 mm (M30x1.5), L 68 mm
Casing Material:	plastic
Mounting:	mountable with 2 nuts, please note metal environments
Operation Temperature:	-15°C ... +45°C, others on request
Storage Temperature:	-25°C ... +85°C
Emissions:	examine for EN 302 208
Protection Class:	IP 65, without connector

*) USB host interface requires separate USB-RS232TTL adapter

Type:	73.26.820.00	73.26.820.10
Air Interface:	ISO18000-6c	ISO18000-6c
HOST Interface:	RS232TTL	RS232TTL
Frequency:	ETSI, 868MHz	FCC, 915MHz