PRODUCT DATASHEET

iID® Read Write Interfaces

UNI13.700 RFID unit

HF-RFID read/write module

UNI13.700 is a compact size, multi standard HF (13.56MHz) RFID read/write device with integrated antenna. Integration of UNI13 provides best opportunities for applications like probe and item management, access control, as well as TELID® sensor applications.

iID®3000.700 modules are supporting multiple RF transponder chips based on NFC, HF ISO communication standards ISO15693, ISO1443A and ISO14443B beneath some proprietary chip types.

microsensys offers an attractive component platform for RFID solutions –transponders, smart readers and modules as well as practical software tools

RF Technology:	closed coupling RFID system iID®3000	
RFID Standards:		ISO15693, ISO 14443A/B, including divers NFC formats
Chip Solutions:		I-CODE®, Tag-it®, my-D®, iID®M, iID®G, Mifare®, TELID® sensor systems inside pico-TAG
General:		short range read/write communication
Accessory:		reader operating system upgrade using iID® interface config tool
RFID Air Interfaces:	13.56 MHz	
Operating Distance:	0 ... 50 mm	depending on transponder antenna and chip type
Reader Antenna:		integrated printed antenna P13
Field Direction:		top direction, orthogonal
HOST interface:	USB 2.0 or RS232TTL	data rate up to 115.2 kbps
Connector:		RS232/USB type A connection cable, length 30cm
Power Supply:		5V, low noise
Command set:		iID® driver engine, iID® 300PRO wire protocol
Software interface :		iID® driver engine (Windows), signed USB device driver
Supported commands:		see actual API documentation of microsensys
Device size:	approx. 55 x 28 x 12 mm³	
Case material:		plastic, epoxy moulded
Operation Temperature:	0°C ... +45°C	
Storage Temperature:		-25°C ... +75°C
Emissions:		examine for EN 300330
Protection Class:	IP65 (without connector)	
Remark:		base module for customized OEM solution

Type :	25.29.700.00	25.26.700.00
HOST interface:	USB	RS232 TTL
Downloaded OP System:	iID® 3000PRO	iID® 3000PRO
Power Consumption (typ):	IDLE 30mA, ACTIVE 150mA	IDLE 20mA, ACTIVE 150mA
Software Interface:	iID® driver engine	iID® driver engine