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



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

UNI13.700module-02

RF Technology: RFID Standards:	closed coupling RFID system iID [®]	3000 SO15693, 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: Accessory:	short range read/write communication reader operating system upgrade using iID [®] interface config tool	
RFID Air Interfaces: Operating Distance: Reader Antenna: Field Direction:	13.56 MHz 0 50 mm	depending on transponder antenna and chip type integrated printed antenna P13 top direction, orthogonal
HOST interface: Connector:	USB 2.0 or RS232TTL	data rate up to 115.2 kbps RS232/USB type A connection cable, length 30cm
Power Supply:		5V, low noise
Command set: Software interface : Supported commands:	i	iID [®] driver engine, iID [®] 300PRO wire protocol ID [®] driver engine (Windows), signed USB device driver see actual API documentation of microsensys
Device size: Case material:	approx. 55 x 28 x 12 mm ³	plastic, epoxy moulded
Operation Temperature: Storage Temperature:	0°C +45°C	-25°C +75°C
Emissions: Protection Class:	IP65 (without connector)	examine for EN 300330
Remark:		base module for customized OEM solution

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

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