

PRODUCT DATASHEET

iID® Read Write Interfaces

UNI13.500 RFID unit

LEGIC prime/advant HF-RFID read/write module

UNI13.500 is a compact size, LEGIC system enabled HF RFID read/write device with integrated antenna. Integration of UNI13 provides best opportunities for embedded access control applications.

iID®3000.500 modules are supporting multiple RF transponder chips and standards such as LEGIC prime/advant, ISO15693 customized, ISO14443A, Sony Felica and inside Pico-TAG as well as Mifare encryption.

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



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RFID in motion

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This data sheet is subject to change.
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UNI13.500module-02

RF Technology:	closed coupling RFID system LEGIC®4500 / LEGIC®4500M ⁽¹⁾
RFID Standards:	based on ISO 15693, ISO 14443, including divers NFC formats
Chip Solutions:	LEGICadvant®, LEGICprime®, I-CODE®, Tag-it®, my-D®, iID®M, Mifare® ⁽¹⁾ further chip solutions are supported partly: inside PICO-TAG, Sony Felica
General:	short range read/write communication, cryptographic support
Accessory:	reader operating system upgrade using iID® interface config tool
RFID Air Interfaces:	13.56 MHz
Operating Distance:	0 ... 50 mm
Reader Antenna:	depending on transponder antenna and chip type integrated printed antenna P13
Field Direction:	top direction, orthogonal
HOST interface:	USB 2.0 or RS232TTL
Connector:	data rate up to 115.2 kbps RS232/USB type A, connection cable, length 30cm
Power Supply:	5V, low noise
Command set:	iID® driver engine, iID® 3000PRO wire protocol
Software interface :	iID® driver engine (Windows) or LEGIC®4000 command set
Supported commands:	see actual API documentation of microsensys or LEGIC®
Device size:	approx. (55 x 29 x 12) mm ³
Case material:	plastic, epoxy moulded
	for integration in customer products
Operation Temperature:	0°C ... +45°C
Storage Temperature:	-25°C ... +75°C
Emissions:	examine for EN 300330
Protection Class:	IP65
	tested without connector
Remark:	base module for customized OEM solution

Type :	25.29.550.00	25.26.550.00	25.26.500.00	
HOST interface:	USB	RS232 TTL	RS232 TTL	
Hardware base:	LEGIC® 4500	LEGIC® 4500	LEGIC® 4200	
Power Consumption (typ):	IDLE 25, ACT 130	IDLE 25, ACT 130	IDLE 25, ACT 130	mA
in particular for:	LEGIC platform	LEGIC platform	LEGIC platform	

(1) type LEGIC®4500M with full mifare support on request