

PRODUCT DATASHEET

iID® Read Write Interfaces

iID® DESKTOPsmart

HF-RFID read/write module

iID® DESKTOPsmart provides best opportunities for office applications. Different device types are designed to be used in personal time management and access control, for RFID transponder and chip card communication as well as TELID® sensor applications.

iID® DESKTOPsmart is designed to support a wide range of 13.56MHz technology based RFID systems.

microsensys offers an attractive component platform for RFID solutions – from transponder over smart readers up to practical software tools



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

DESKTOPsmart-04

RF Technology:	closed coupling RFID system	iID®2000 / iID®3000 / LEGIC®
RFID Standards:		ISO15693, ISO 14443A/B, LEGIC®
Chip Solutions:		I-CODE®, Tag-it®, my-D®, iID®M, iID®G, Mifare®, TELID® sensor systems LEGICadvant®, LEGICprime®, inside pico-TAG, Sony Felica
General:		short range read/write communication
Accessory:		USB keyboard functionality using iID® HIDconverter, 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 P13v2
Field Direction:		top and bottom
HOST interface:	USB 2.0	data rate up to 115.2 kbps
Connector:		mini USB connector, delivery including USB type A connection cable
Power Supply:		5V, max 150 mA
Command Set:		iID® driver engine, iID® 300PRO wire protocol, LEGIC® command structure
Software Interface :		iID® driver engine (Windows), signed USB device driver
Supported Commands:		see actual API documentation of microsensys or LEGIC
Device Size:	approx. 88 x 68 x 12 mm³	
Case Material:	PLEXIGLAS®XT	transparent plastic with black aluminium border
Operation Temperature:	0°C ... +45°C	
Storage Temperature:		-5°C ... +75°C
Atmospheric Humidity:		30% ... 75%, not condensed
Emissions:	examine for EN 300330	
Protection Class:	no IP class	

Type :	35.29.700.00	35.29.550.00
Environment:	HF transponders, TELID® system	LEGICplatform
Downloaded OP System:	iID® 3000PRO	LEGIC®4500
HOST Interface:	USB 2.0	USB 2.0 VCP
Power Consumption (typ):	IDLE 30mA, ACTIVE 150mA	IDLE 20mA, ACTIVE 120mA
Software Interface:	iID® driver engine	LEGIC® commands