

PRODUCT DATASHEET

iID[®] Read Write Interfaces

iID[®] stick USB

HF-RFID read/write module

microsensys expands the proven iID[®] contactless RFID reader portfolio by a practical USB RFID stick based on LEGIC[®] technology.

The device supports a wide field of different HF standards and chip solutions. It is especially designed for stationary PCs and mobile notebooks in access control and mobile data capture applications.

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



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RFID in motion

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

USBstick1 -01

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|-------------------------------|---|---|
| RFID Technology: | closed coupling RFID system | iID [®] 2000 / LEGIC [®] 4200 |
| Standards: | | based on ISO 15693, ISO 14443 |
| Chip Solutions: | | LEGICadvant [®] , LEGICprime [®] , I-CODE [®] , Tag-it [®] , my-D [®] , iID [®] M, iID [®] G further chip solutions are supported partly: Mifare [®] , inside, Sony Felica [®] sensor and high memory systems on inquiry |
| Basics: | short range read/write communication implemented crypto algorithms | command sets of iID [®] driver engine or LEGIC [®] command structure downloadable reader operation system for upgrades |
| RFID Air Interfaces: | 13.56 MHz RFID, high speed and fast mode | |
| Operating Distance: | 0 ... 50 mm | depending on transponder antenna and chip type |
| Reader Antenna: | | integrated printed antenna P16 |
| Field Direction: | | orthogonal to the device label |
| HOST Interface: | USB 2.0 | |
| Data Rate: | | 115.2 kbps |
| Connector: | | standard USB |
| Power Supply: | 5V | |
| Power Consumption: | | IDLE mode: typ. 20mA SLEEP mode: not implemented ACTIVE mode: typ. 130mA |
| Software Interface : | iID [®] driver engine (Windows) or LEGIC [®] commands | |
| Supported Commands: | | see actual API documentation of microsensys or LEGIC |
| Device Size: | 45 (57) x 20 x 10 mm ³ | |
| Casing Material: | ABS / white | |
| Operation Temperature: | 0°C ... +45°C | |
| Atmospheric Humidity: | 30% ... 75%, not condensed | |
| Storage Temperature: | -5°C ... +75°C | |
| Emissions: | | examine for EN 300330 |
| Protection Class: | | no IP class |

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|------------------------------|---|---|-----------------------------|
| Type : | 37.29.510.00* | 37.29.520.00* | 37.23.500.00 |
| Downloaded OP System: | iID [®] -2000 & LEGIC [®] | iID [®] -3000 & LEGIC [®] | LEGIC [®] 4200 |
| HOST Interface: | USB 2.0 | USB 2.0 | USB 2.0 VCP |
| Software Interface : | iID [®] driver engine | iID [®] driver engine | LEGIC [®] commands |
| in particular for: | iID-2000 | sensor & high memory | LEGIC platform |

*) in development or delivery only for special projects