

# PRODUCT DATASHEET

iID<sup>®</sup> RFID Read Write Interfaces

## RFID HF module X30 B

### 13.56 MHz RFID unit for CASIO DT-X30

microsensys integrates the proven iID<sup>®</sup> contactless RFID reader module which supports a wide range of 13.56 MHz transponders in industrial handheld computers. The device is especially designed for lower power applications. It's very useable for mobile data acquisition in administration, industry and logistics.

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



**microSensys**  
RFID in motion

copyright by microsensys  
this data sheet is subject to change contact us for latest information  
microsensys GmbH - In der Hochstedter Ecke 2 - D 99098 Erfurt  
TEL +49-361-598740  
MAIL info@microsensys.de ...DTX30 B HFmodule-03

<b>Transponder System:</b>	iID <sup>®</sup> -2000, iID <sup>®</sup> -3000 based on ISO 15693, ISO 14443	
<b>Chip Solutions:</b>	I-CODE <sup>®</sup> , Tag-it <sup>®</sup> , my-D <sup>®</sup> , iID <sup>®</sup> M, EM chip types, iID <sup>®</sup> G, TELID <sup>®</sup> 200, TELID <sup>®</sup> 300, Mifare light	
<b>other Chips on request:</b>	Ario <sup>®</sup> , LEGIC <sup>®</sup> prime, I-CODE <sup>®</sup> 1, EPC, UID	
<b>Basics:</b>	closed coupling read write and read only standard command set of iID <sup>®</sup> driver engine, supports multiple contactless protocols, CF interface downloadable iID <sup>®</sup> reader operation system for upgrades	
<b>RFID Air Interfaces:</b>	13.56 MHz RFID, high speed and fast mode, standard type don't support anticollision	
<b>Operating Distance:</b>	depending on transponder type and metal environment, 0 ... 40 mm	
<b>Reader Antenna:</b>	P4318	
<b>Field Direction:</b>	from the back side	
<b>HOST Interface:</b>	only for CASIO DT-X30	
<b>Mounting:</b>	mountable on back side with 4 screws	
<b>Connector:</b>	special CASIO type for data and power supply	
<b>Power Supply:</b>	internal from DT-X30	
<b>Power Consumption:</b>	typ. 30mA (idle mode) typ. 180mA (active mode)	
<b>Software Interface :</b>	iID <sup>®</sup> driver engine (Windows Mobile 6.0, CE.net 6.0)	
<b>Supported Commands:</b>	see actual API documentation of microsensys iID <sup>®</sup> driver engine	
<b>Device Size:</b>	special design for CASIO DT-X30	
<b>Casing Material:</b>	ABS	
<b>Operation Temperature:</b>	-5°C ... +45°C	<b>Storage Temperature:</b> -20°C ... +50°C
<b>Emissions:</b>	examine for EN 300330	<b>Protection Class:</b> IP 66

<b>Type:</b>	<b>27.64.640.00</b>	<b>27.64.640.01</b>	
<b>RFID Antenna:</b>	integrated P4318	integrated P4318	
<b>Downloaded OP System:</b>	iID <sup>®</sup> -2000 or iID <sup>®</sup> -3000	iID <sup>®</sup> -2000 or iID <sup>®</sup> -3000 incl. LEGIC	
<b>RFID Communication Rate:</b>	26.4 or 106	26.4 / 106	kbps

