

# PRODUCT DATASHEET

iID<sup>®</sup> Read Write Interfaces

## IT800 UHF module

### 868 MHz RFID unit for CASIO IT-800

microsensys integrates the proven iID<sup>®</sup> contactless RFID reader module which supports a wide range of UHF transponders in industrial handheld computers. The device is especially designed for the CASIO IT-800 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 up to practical software tools



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This data sheet is subject to change.

contact microsensys for latest information

**microSensys**  
RFID in motion

IT800 B UHFmodule-03

<b>RFID System:</b>	UHF iID <sup>®</sup> -4000 based on ISO 18000-6	
<b>Chip Solutions:</b>		EPC C1 G2 (ISO 18000-6 Type 3), Alien Higgs 3/4, Impinj Monza 3/4/5, NXP UCODE, Temperature Sensor EM4325
<b>Basics:</b>	far field operation, read write and read only, low power standard command set of iID <sup>®</sup> driver engine	
<b>RFID Air Interfaces:</b>	868 MHz RFID, ISO 18000-6, ETSI EN 302 208	
<b>Operating Distance:</b>	depending on transponder type and metal environment, Type 801: approx. 0 ... 40 cm Type 802: approx. 0 ... 2 m	chip or patch antenna
<b>Reader Antenna:</b>		from the back side of handheld device
<b>Field Direction:</b>		
<b>HOST Interface:</b>	only for CASIO IT-800	
<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 IT-800
<b>Power Consumption:</b>		typ. 80 mA (idle mode) typ. 600 mA (active mode)
<b>Software Interface :</b>		iID <sup>®</sup> driver engine (Windows Mobile 6.5)
<b>Supported Commands:</b>		see actual API documentation of microsensys iID <sup>®</sup> driver engine
<b>Device Size:</b>	special design for CASIO IT-800	
<b>Casing Material:</b>	SG95	
<b>Operation Temperature:</b>	-5°C ... +45°C	
<b>Storage Temperature:</b>	-10°C ... +50°C	
<b>Emissions:</b>		tbd
<b>Protection Class:</b>		tbd

<b>Type:</b>	<b>47.14.801.00</b>	<b>47.24.802.00</b>	
<b>RFID Antenna:</b>	CA1603 (linear polarization vertical)	MP2525 (circular polarization)	
<b>RFID Communication Rate:</b>	Transmit: 40 Receive: 40-640	Transmit: 40 Receive: 40-640	kbps
<b>RFID Operating Distance:</b>	0 ... 20	0 ... 170	cm
			measured with reference TAG