

PRODUCT DATASHEET

iID[®] RFID Read Write Interfaces

RFID HF module IT800

**13.56 MHz RFID unit
for CASIO IT-800**

microsensys integrates the proven iID[®] 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

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Transponder System:	iID [®] -2000, iID [®] -3000 based on ISO 15693, ISO 14443	
Chip Solutions:	I-CODE [®] , Tag-it [®] , my-D [®] , iID [®] M, EM chip types, iID [®] G, TELID [®] 200, TELID [®] 300, Mifare light Ario [®] , LEGIC [®] prime, I-CODE [®] 1, EPC, UID	
other Chips on request:		
Basics:	closed coupling read write and read only standard command set of iID [®] driver engine, supports multiple contactless protocols, CF interface downloadable iID [®] reader operation system for upgrades	
RFID Air Interfaces:	13.56 MHz RFID, high speed and fast mode, standard type don't support anticollision	
Operating Distance:	depending on transponder type and metal environment, 0 ... 30 mm	
Reader Antenna:	P4318	
Field Direction:	from the back side	
HOST Interface:	only for CASIO IT-800	
Mounting:	mountable on back side with 4 screws	
Connector:	special CASIO type for data and power supply	
Power Supply:	internal from IT-800	
Power Consumption:	typ. 30mA (idle mode) typ. 180mA (active mode)	
Software Interface :	iID [®] driver engine (Windows Mobile 6.0, CE.net 6.0)	
Supported Commands:	see actual API documentation of microsensys iID [®] driver engine	
Device Size:	special design for CASIO IT-800	
Casing Material:	ABS	
Operation Temperature:	-5°C ... +45°C	Storage Temperature: -20°C ... +50°C
Emissions:	examine for EN 300330	Protection Class: IP 54

Type:	27.64.680.00	27.64.680.01	
RFID Antenna:	integrated P4318	integrated P4318	
Downloaded OP System:	iID [®] -2000 or iID [®] -3000	iID [®] -3000 incl. LEGICprime custom.	
RFID Communication Rate:	26.4 or 106	26.4 / 106	kbps

