PRODUCT DATASHEET

iID® Read Write Interfaces

IT-G500 BM UHF module

UHF RFID unit for CASIO IT-G500

microsensys integrates the proven iID® contactless RFID reader module which supports a wide range of UHF transponders in industrial handheld computers. The device is designed with ergonomic form factor for use together with handheld CASIO IT-G500.

It's very useable for mobile data acquisition in administration, industry and logistics, inventory and process control applications.

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   IT-G500 BML UHF-LEGICmodule-01

RFID System:	UHF iID®4000 based on ISO standards
Chip Solutions:	EPC C1 G2, ISO 18000-6c Alien Higgs 3/4, Impinj Monza 3/4/5, NXP UCODE, Temperature Sensor EM4325
Basics:	UHF mid range read & write, low power standard command set of iID® driver engine
RFID Air Interfaces:	868 MHz RFID, ISO 18000-6c / EPC G1 Gen2
Operating Distance:	depending on transponder type and metal environment
	UHF: 0 …2 m
Reader Antenna:	circular polarized UHF patch antenna
Field Direction:	from the back side of handheld device
HOST Interface:	CASIO IT-G500 expansion interface
Mounting:	mountable on back side with 4 screws
Connector:	special CASIO type for data and power supply
Power Supply:	as provided by CASIO IT-G500
Power Consumption:	typ. 40 mA (idle mode) typ. 350 mA UHF, typ. 80mA HF (active mode)
Software Interface:	iID® driver engine (WEH 6.5, WEC 7)
Supported Commands:	see actual API documentation of microsensys iID® driver engine
Device Size:	special design for CASIO IT-G500
Casing Material:	SG95
Operation Temperature:	-5°C ... +45°C
Storage Temperature:	-10°C ... +50°C
Emissions:	examine for EN 300330, ETSI EN 302 208
Protection Class:	none
Type:	47.24.500.00
RFID Antenna:	MP2525 (UHF circular polarization)
RFID Communication Rate:	**T**ransmit: 40 kbps Receive: 40-320 kbps