

PRODUCT DATASHEET

iID® Read Write Interfaces

IT-G500 BML UHF/LEGIC module

868 MHz / 13.56 MHz RFID unit for CASIO IT-G500

microsensys integrates the proven iID® contactless RFID reader module which supports a wide range of UHF, LEGIC and different HF 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.

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



microsensys GmbH
In der Hochstedter Ecke 2
D 99098 Erfurt

microSensys
RFID in motion

TEL +49-361-59874 0
E-MAIL info@microsensys.de
FAX +49-361-59874 17
WEB www.microsensys.de

This data sheet is subject to change.

contact microsensys for latest information IT-G500 BML UHF-LEGICmodule-01

RFID System:	UHF/HF iID®3000/4000 based on ISO standards	
Chip Solutions:	UHF:	EPC C1 G2, ISO 18000-6c Alien Higgs 3/4, Impinj Monza 3/4/5, NXP UCODE, Temperature Sensor EM4325
	HF (LEGIC):	LEGIC®prime, LEGIC®advant ISO15693 (customized), ISO14443 UID only partial support for: Mifare® classic/UL, Mifare® DESfire, inside, Sony Felica
Basics:	HF-LEGIC near field / UHF mid range	read & write, low power standard command set of iID® driver engine
RFID Air Interfaces:	UHF: 868 MHz RFID, ISO 18000-6c HF: 13.56 MHz RFID, ISO 18000-3, ISO 15693, ISO 14443	
Operating Distance:		depending on transponder type and metal environment
	HF:	approx. 0 ... 4 cm
	UHF:	approx. 0 ... 2 m
Reader Antenna:		patch antenna UHF, coil HF
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:	47.94.500.00	
RFID Antenna:	MP2525 (UHF circular polarization), W5046 (HF inductive)	
RFID Communication Rate:	Transmit: 40 (UHF), 26 ... 106 (HF) Receive: 40-320 (UHF), 26 ... 106 (HF)	kbps kbps