

PRODUCT DATASHEET

iID® Read Write Interfaces

iID® module IT-G500 BL

13.56 MHz LEGIC Prime/Advant add on module for CASIO IT-G500 handheld devices

microsensys integrates the proven iID® contactless RFID reader modules to CASIO's IT-G500 handheld. IT-G500 supports a wide range of HF transponders including LEGIC™ Prime and Advant. The device is optimized for low power handheld applications, combined with a smart form factor.

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

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RFID in motion

IT-G500 BL module 04.docx

RFID Technology:	closed coupling RFID system LEGIC® 4000	
Standards:		based on ISO 15693 and ISO 14443
Chip Solutions:	LEGICadvant®, LEGICprime®, I-CODE®, Tag-it®, my-D®, iID® M partial support for: Mifare® classic/UL, Mifare® DESfire, inside, Sony Felica sensor and high memory systems on inquiry	
Basics:	short range read/write unit	implemented crypto algorithms downloadable reader operation system for upgrades
RFID Air Interface:	13.56MHz RFID	
Operating Distance:		0 ... 50 mm depending on transponder type and metal environment
Reader Antenna:		reader integrated printed antenna
Field Orientation:		orthogonal to device surface
HOST Interface:	CASIO IT-G500	
Host device:		CASIO IT-G500 handheld device
Connector:		CASIO IT-G500 extension connector
Software Interface:		iID® driver engine (WEH 6.5, WEC 7)
Supported Commands:		see API documentation microsensys iID® (mobile) driver engine LEGIC® command structure
Operation Modes:	OFF, IDLE, ACTIVE	
Control:		HOST controlled
Power Supply:	CASIO IT-G500	low noise, stabilized
Power Consumption:		IDLE typ. 30mA, ACTIVE typ. 130mA
Device Size:	approximately 64 mm x 21.2 mm x 12 mm	
Case:		plastic case, internal antenna, mounting screws
Operation Temperature:	-10°C ... +45°C	
Storage Temperature:		-25°C ... +70°C
Emissions:		examine for EN 300330
Protection Class:		IP65

Type :	27.64.550.00
Chipset:	SM-4500
Version / Review:	-
Software Interface :	iID® mobile driver engine, LEGIC™ commandset
In particular for:	LEGIC™ platform