**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 useful 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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**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

**RFID Air Interfaces:**
- 868 MHz RFID, ISO 18000-6c / EPC G1 Gen2

**Operating Distance:**
- UHF: depending on transponder type and metal environment
- 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

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**Type:**
- 47.24.500.00

**RFID Antenna:**
- MP2525 (UHF circular polarization)

**RFID Communication Rate:**
- Transmit: 40 kbps
- Receive: 40-320 kbps