OBID®
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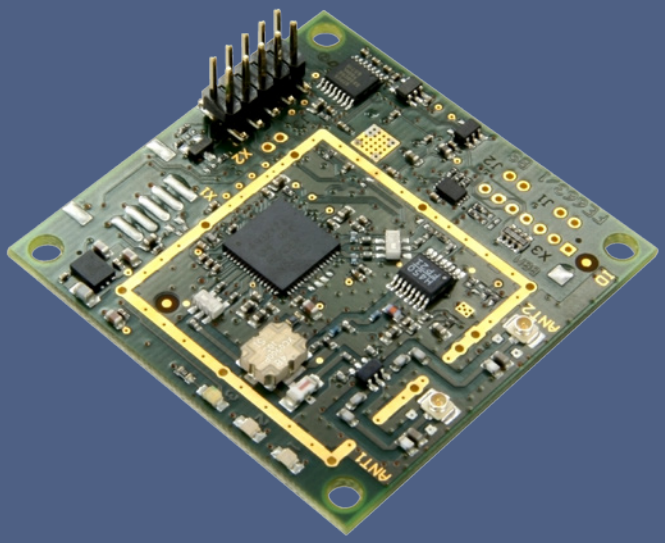
OBID i-scan® UHF

UHF Short Range Reader Modul
ID ISC.MU02.02



SPECIAL FEATURES

- Integrated Multiplexer
- 2 Antenna outputs
- Different Power Modes
- Low power consumption
- Shut Down-Pin
- 4 different Interfaces
- International Certification
- Small Dimensions
- Operating Frequency 860 MHz to 928 MHz

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DESCRIPTION

The Short Range Reader-Module out of the OBID i-*scan*® UHF-Series consists of just a small single PCB and convinces with excellent performance.

- Read range of e.g. 2 meters in combination with the UHF- Antenna ID ISC.ANT.U170/170-EU
- 2 multiplexed antenna outputs for various application (Hirose U.FL connector)
- Configurable output power (different Power-Modes)
- 4 different interfaces (RS232, RS232-LVTTL, USB, Data Clock) for variable integration into already existing and future systems
- Shut Down-Contact for external power down of the reader module
- Small dimensions, slim height
- 4 mounting holes (mechanical compatible to the products of the OBID® *classic-pro* or OBID i-*scan*® HF-Series)

External Antenna ID ISC.ANT.U75/50-x

ORDERING INFORMATION

ID ISC.MU02.02-AD	UHF Reader Module (RS232, Data Clock)
ID ISC.MU02.02-CU	UHF Reader Module (RS232-LVTTL/USB)

ACCESSORIES

ID ISC.ANT.U75/50-EU	UHF Antenna for the frequency range from 865 MHz to 868 MHz
ID ISC.ANT.U75/50-FCC	UHF Antenna for the frequency range from 902 MHz to 928 MHz

TECHNICAL DATA

Dimension (B x H x T)	50 mm x 50 mm x 14 mm
Operating Frequency	860 MHz to 928 MHz
Power Supply	5 V DC (+/- 5%)
Power Consumption	max. 2 W
Output Power	10 mW to 170 mW
Interfaces	
- Version -AD	RS232-V24, Data-Clock
- Version-CU	RS232-LVTTL, USB 2.0
Supported Transponder Types	EPC Class 1 Gen 2, ISO 18000-6-C (Upgrade Code)
Antenna Connector	2 x U.FL (Hirose); MMCX possible on demand
Signaler	3 LEDs (red / green / blue)
Software-Protocol	FEIG Reader Protocol
Protocol modes	FEIG ISO Host / FEIG Scan Mode
Temperature Range	
- Operation	–25 °C to 55 °C
- Storage	–25 °C to 85 °C

APPLICABLE STANDARDS

Radio Regulation	
- Europe	EN 302 208
- USA	FCC 47 CFR Part 15
- Canada	IC RSS-GEN, RSS-210
EMC	EN 301 489
Safety	EN 60950

Note: FEIG ELECTRONIC reserves the right to change specification without notice at any time. Stand of information: December 2011

FEIG ELECTRONIC GmbH · Lange Straße 4 · D-35781 Weilburg
Tel.: +49 6471 3109-0 · Fax: -99 · E-Mail: OBID@feig.de · www.feig.de