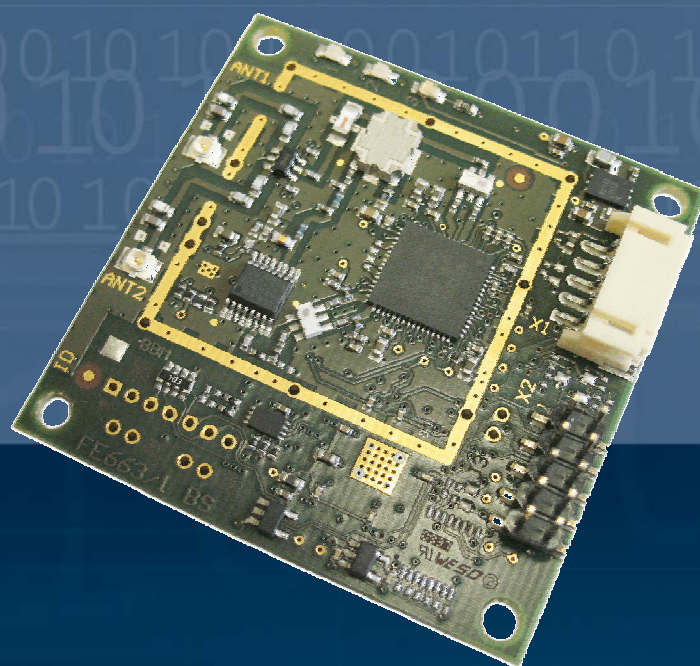


UHF Short Range Reader Module ID ISC.MU02.02



FEATURES

- High Performance
- Small Size
- 860...960 MHz
- Integrated Multiplexer
- 2 Antenna Outputs
- Different Power Modes
- Low Current Consumption
- Shut Down Pin
- 4 Different Interfaces
- International Certifications



UHF Short Range Reader Module ID ISC.MU02.02

DESCRIPTION

The OBID *i-scan*[®] UHF Short Range Module consists of a small single PCB and is a high performance device.

- Read ranges of e.g. 2 m (79 inch) with the UHF antenna ID ISC.ANT.U170/170-EU
- 2 reversible antenna outputs for a wide range of applications
- Adjustable transmitting power with different power settings (Power Modes)
- 4 different communication interfaces for a variable integration in existing systems
- Shut down pin for switching off the entire reader module
- 4 mounting holes (mechanical compatible to products of the OBID[®] *classic-pro* or OBID *i-scan*[®] HF line)

Potential applications:

Mobile devices and handhelds, access control terminals and booking systems, industrial short range applications

ORDER DESCRIPTION

- ID ISC.MU02.02-AD
Interfaces: RS232-V24 and Data-Clock
- ID ISC.MU02.02-CU
Interfaces: RS232-TTL and USB

TECHNICAL DATA

Dimensions (W x H x D)	50 mm x 50 mm x 14 mm (2,0 inch x 2,0 inch x 0,6 inch)
Supply voltage	5 V DC (+/- 5 %)
Power consumption	max. 2 W
Operating frequency	860 ... 960 MHz
Transmitting power	10 ... 170 mW
Interfaces	
Type AD	RS232-V24, Data-Clock
Type CU	RS232-LVTTL, USB 2.0
Antenna connector	2 x U.FL (Hirose); MMCX on request
Software protocol	FEIG Reader Protocol
Reader modes	ISO Host Mode, Scan Mode
Transponder	EPC Class 1 Gen 2
Indicators (optical)	3 LEDs (red / green / blue)
Temperature range	
Operation	-25 °C – 55 °C (-13 °F – 131 °F)
Storage	-25 °C – 85 °C (-13 °F – 185 °F)

STANDARD CONFORMITY

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

FEIG ELECTRONIC reserves the right to change specification without notice at any time.
Last update: January 2010