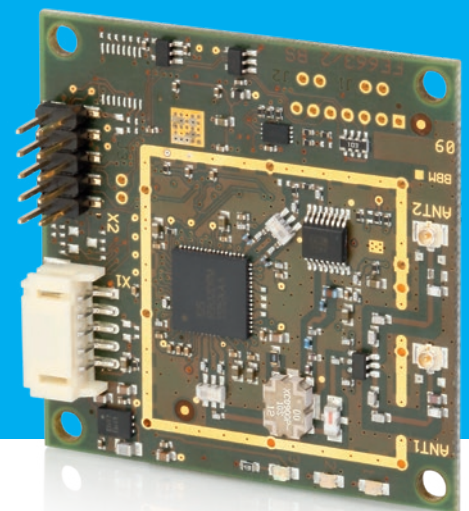


ID MU02.02

UHF SHORT RANGE READER MODULE

- 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



The UHF Short Range Reader-Module 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 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

UHF READER MODULE WITH INTEGRATED MULTIPLEXER

UHF Short Range Reader module with 2 switchable antenna outputs for various applications

Technical data

Dimensions (w x h x d)	50 mm x 50 mm x 14 mm
Operating frequency	860 MHz to 928 MHz
Power supply	5 V DC ($\pm 5\%$)
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 transponders	EPC Class1 Gen2, ISO 18000-6-C
Antenna connector	2x U.FL (Hirose), MMCX possible on demand
Indicators	3 LED (red / green / blue)
Software protocol	FEIG Reader Protocol
Operation modes	FEIG ISO Host / FEIG Scan Mode
Temperature range	
Operation	-25 °C up to +55 °C
Storage	-25 °C up to +85 °C



External antenna ID ANT.U75/50-x

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 & Health	EN 62368-1, EN 50364

Order descriptions

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

Accessories

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