



i-scan[®]

**Reader module
ID ISC.M02-B**



Multitag proximity reader module for identification of Smart Labels in the fields of application retail, industry, logistics etc.

Features:

- Anti-collision function
- Multi-tag reader for ISO-Tags 15693 (e.g. 1-CODE, Tag-it, my-d, STM)
- supports the safety functions of my-d (vicinity) by attaching an appropriate SAM (Security Access Module)
- possible applications in the sector of access control due to data-/clock interface
- operation with integrated or external antenna

Short description and technical information

Short description

Just as any device of the OBID *i-scan*[®] product family, the reader module ID ISC.M02-B works with Smart Labels with an operating frequency of 13.56 MHz (e.g. I⁺CODE, Tag-it, my -d, STM etc.).

The Read/Write PCB has a maximum reading distance of up to 10 cm* by using the integrated antenna. By using external antennas, distances of 7 cm* (antenna size 30 x 40 mm) resp. 14 cm* (antenna size 100 x 100 mm) will be reached.

The reader is above all suitable for supply chain applications in the fields of retail, industry, logistics etc. It is even suitable for problematic applications such as ticketing and accounting systems due to an attachable security access module (plug-in terminals for this kind of interface are available).

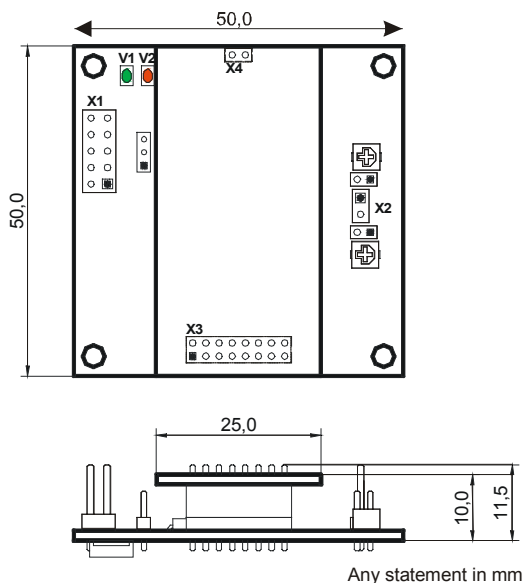
Apart from this, the data-/clock interface enables the reader to be used in access control systems.

The use of an ISO host record guarantees a problem-free creation of user software as well as the module's unlimited compatibility with all readers of the OBID *i-scan*[®] family.

Technical data

Dimensions (LxWxH)	50 x 50 x 15 mm
Connector plug	10-pole pin terminal (spacing = 2,54 mm)
Operating frequency	13.56 Mhz
Power supply	5V DC +/- 5%
RF transmitting power	90 mW +/- 2 dB
Power consumption	max. 1 W
Processable transponders	ISO 15693-transponders such as I ⁺ CODE SLI, my-d vicinity, STM LRI512, Tag-it HF-I etc.
Processable safety features	Refitting of SAM (Security Access Module) is possible for my-d vicinity
Antenna	integrated -- 48 x 48 mm ext. 50 Ohm-antennas optional
Reading distance	10 cm* with integrated antenna up to 14 cm* with ext. antennas
Interfaces	1x RS232-TTL 1x Data-/clock interface (magnet card emulation and Wiegand emulation)
Signal generator	2 LED
Temperature range operation storage	-20°C up to 70°C -40°C up to 85°C
EEPROM	1 kB (10.000 writing cycles)
FLASH	64 kB (Software update over interface possible)

Dimensions



Standard conformity

Radio license	
Europe	EN 300 330
USA	FCC 47 CFR Part 15
EMC	EN 301 489
Safety	
Europe	EN 60950

FEIG ELECTRONIC reserves the right to change the specification without notice at any time.

* Reading distances depend on the used labels; here made statements relate to an inlet size of 76x45 mm

FEIG ELECTRONIC GmbH
Lange Straße 4, D-35781 Weilburg
Tel.: +49 (0) 6471 / 3109-0, Fax: -99
Internet: <http://www.feig.de>
e-mail: OBID@feig.de