



RDL91M – The mifare® reader

These flexible RF/ID solutions from deister electronic are designed to allow fast and reliable identification of stationary and moving objects.

logident – a family of read/write units for different types of 13.56 MHz high frequency transponders (e.g. Smart Labels). Especially developed for the harsh environments in production, distribution and logistics.



RDL91M

The RDL91M is designed for applications requiring secure and/or fast data transfer on the air interface.

The 5.76 kBit memory of a mifare® transponder is structured and organised to support several applications that can be secure and independent from each other if necessary. High data transfer rates mean the complete memory of the transponder can be written or read in less than 0.5 s.

Because of its rugged design and fully encapsulated electronics, this reader is ideally suited for harsh industrial environments.

Your advantages at a glance:

- **5.76 kBit of user memory available**
- **High data rate**, 106 kBits/s on the air interface
- **High Security**, 32 Bit serial number, reciprocal authentication, cryptology
- **Multi-application function**, 15 sectors with two keys per sector for reading and writing
- **Anti-collision** for multiple tag reading
- **ISO 14443 type A compatible**
- **Flash programmable reader firmware**
- **Rugged design**

Technical Data

Dimensions:	100 x 74 x 30 mm
Protection type:	IP 67 (IEC 529)
Operating temperature:	-20 °C...+70 °C
Storage temperature:	-40 °C...+70 °C
Supply voltage:	8-30 V/DC
Power consumption:	max. 1 W
Operating frequency:	13.56 MHz
Read/write distance:	up to 50mm dependent on transponder type and the local environment
Data transmission speed:	106 kBits/s
Memory configuration:	15 sectors containing 3 free data blocks. Each block of 16 Bytes. (EEPROM)
Interface:	RS 232, opt. RS 485 data rate: 9600 baud