



## RDL210 - long range read/write unit for 13.56 MHz

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.



### RDL210

The RDL 210 reads and writes to Smart Label transponders up to distance of 800 mm with a suitable antenna. This reader has been engineered for a variety of configurations to provide a tunnel reading station for multidimensional tag reading using up to 4 antennas, or portal or gate readers with only one or two antennas.

Depending on the type of transponder up to 992 user bytes can be stored on the chip, which provides local information about the object being tagged without the need to have contact to an online central database.

The RDL 210 is ideal for use in logistics and process control applications where a long reading distance is required.

- **Up to 4 antennas** may be connected to create one multi dimensional tunnel
- **Remote antennas can be located up to 25m from reader**
- **Anti-collision** for multiple tag reading
- **ISO 15693 compatible**
- **Flash programmable reader firmware**
- **Tunnel or portal applications**
- **RS485 reader network**
- **Digital I/O's**

### Technical Data

<b>Dimensions:</b>	300 x 180 x 125 mm
<b>Housing:</b>	Aluminium diecast, grey
<b>Protection type:</b>	IP65
<b>Operating temperature:</b>	-20 °C...+55 °C
<b>Storage temperature:</b>	-40 °C...+70 °C
<b>Supply voltage:</b>	24 V/DC
<b>Power consumption:</b>	up to 60W
<b>Power output:</b>	0,5-10W
<b>Operating frequency:</b>	13.56 MHz
<b>Read/write distance:</b>	up to 800 mm dependent on transponder type and the local environment
<b>Data transm. speed:</b>	26 kBit/s
<b>Transponder types:</b>	ISO 15693, Tag-it™, I•CODE
<b>Trigger input:</b>	8-36 V/DC
<b>Output:</b>	6-32 V/DC; I < 500 mA 32-48 V/DC ; I < 300 mA
<b>Interface:</b>	RS 232, opt. RS 485 Data rate: 9600 baud, 19200 Baud, 38400 Baud, 115kBaud
<b>Accessories:</b>	Power supply 24 V/DC; 2,3 A
<b>Antenna options:</b>	RDA250/250, RDA600/500, Tunnel-antenna, customized antennas