logident®

Flexible and robust RFID UHF read/write systems from deister electronic provide fast and reliable identification of stationary and moving objects from various distances.

UDL500

The UDL500 is especially suited for the retail and logistics market for long range identification and high volume bulk reading of passive UHF transponders. The compact device has integrated antennas.

ISO 18000-6 C and EPC transponder protocols are supported. Firmware can easily be flashed. This ensures that your investment will be long lasting and makes future innovations easy.

Gate and other multiple reader applications can be easily achieved with the DCU1 Data Control Unit.

Your benefits at a glance

- **Easy installation (no coax-cable or power measurement necessary)**
- **Fully self-contained and compact**
- **Integrated and factory tuned antennas for maximum range**
- **Optimally calibrated transmitter power**
- **Large LED display for user feed-back**
- **Plug & play solution**

Technical Data

Dimensions (mm):	640 x 280 x 75
Housing:	ABS/PMMA, silver
Protection Class:	IP 65
Operating Temperature:	-20 °C … +70 °C
Storing Temperature:	-40 °C ... +85 °C
Relative Humidity:	5 % … 95 % non-condensing
Power Supply:	10 … 30 V/DC
Power Consumption:	10 W (operation) 2 W (standby)

UDL500 – The smart UHF-Reader

Operating Frequency:	865-868 MHz (EU) or 902-928 MHz (USA)
Reading/Writing Range:	up to 5 m, depending on type of transponder and environmental conditions
Radiated Transmit Power:	2 W E.R.P. (ETSI EN 302 208), or 3.2 W E.I.R.P. (FCC Part 15) configurable
Transponder Protocols:	ISO 18000-6 C EPC Class1 Gen 2
	Optional: EM 4022, 4222, 4422
	Trigger Input: 8-36 V/DC
Digital Output:	6-32 V/DC; I<500 mA 32-48 V/DC; I<300 mA
Interface:	RS485
Anticollision:	Identification of several transponders in the antenna field
Conformity:	
Human exposure	EN 50364
EMC	EN 301 489
Air Interface (EU)	EN 302 208 (LBT) EN 300 220
Optional: Air Interface (US)	FCC Part 15

The RFID Company

deister electronic