

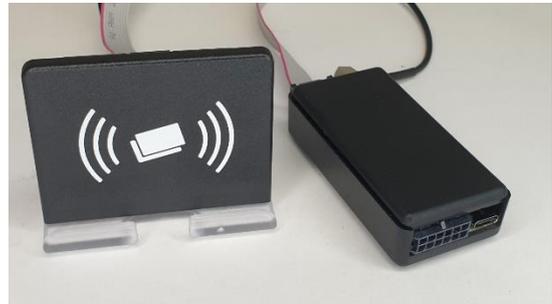
Ultralight vending machine reader

The reader consists of a compact controller with integrated Legic read/write electronics of the latest generation (Legic SM6300) and a remote antenna. It processes all common technologies such as:

- **Legic** prime + advant (ISO14443, ISO15693), segmented and unsegmented
- **Mifare** DESFire and Mifare Classic
- **Virtual transponders** for Android and iOS smartphones

reading and writing. Thanks to the support of many open standards, the reader can be adapted to different data structures can be excellently integrated into other solutions.

Ultralight is suitable for simple applications for cashless payment. Billing solutions and the like must be integrated in the vending machine.



Advantages

- Processing of all known 13.56 MHz data carriers as well as virtual transponders **in one reader** and thus compatible with most access and time and attendance systems for modern multi-application applications
- Compatible with open data carrier standards such as Legic CASH (www.legic.com), Legic COM, OpenCashfile for physical and virtual transponders (Common Smartcard Solutions Association CSSA: www.common-smartcard.org). In addition support of many proprietary data mappings of most diverse manufacturers
- Mobile: Payment with smartphone-virtual transponders on mobile
- can be used in parallel with physical data carriers- white label solution can be integrated into any customer app (Mobile SDK)
- RFID capabilities compatible with larger readers DeLight2 and LeX2
- Fits all common vending machines MDB, CCI, Executive
- Plug and Play Configuration

Features

- Automated interfaces: MDB Slave, Executive, CCI. All automats are connected with specific cable. The configuration (protocol) is automatically adjusted
- Service counter for baptisms
- Software updates by means of Flasher Tool via USB, SET key
- Automatic configuration of common disk mappings
- User interface with horn and LEDs (**red-yellow-green** traffic light control) on antenna
- Data transfer via NFC (HCE) and Bluetooth/BLE (provided)

Connections:

Page vending machine connection:

Connector S1-4: Automatic MDB, CCI, EXE
USB-C: Configuration and firmware Download
LED
SET LED red/green: Status device
Reset button



 **HUG-WITSCHI AG**
ELECTRONIC ENGINEERING

Ordering coordinates:

Item no:	HW. 75.000.04	HW. 75.000.02	HW. 75.000.03
Designation:	Ultralight Set CCI	Ultralight Set MDB	Ultralight Set EXE

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Page antennas connection:

RFID Antenna: Coax
RFID control: Antenna LEDs/IrDA
Serv. /Oper. Switch for safety functions (baptisms)



Technical data:

Temperature range: Operation -40.. +85° C
Humidity: 95% relative humidity, non-condensing
Power supply: 12-45VDC/ 50 mA
Dimensions controller: 79 x 40 x 21.7 mm (LxWxH)
Housing: Plastic black
RFID module: Legic SM6300
Read/write distance: approx. 20-50 mm
Processor core: ARM M7 600 MHz
Memory: 128 kBit Eeprom, 2 MB Flash
Battery: replaceable lithium cell
User Interface: On reader: status (Rt/gn), buzzer
On antenna: traffic light control according to EVA, blue for Bluetooth

Scope of delivery:

Ultralight reader set:

- Ultralight controller
- Connection cable to automat depending on the article (MDB, Executive, CCI)
- Dragon antenna

