



**RFID**

# RWM WITH USB CONTRINET

**EASY TO USE READ/WRITE MODULE  
FOR USER ACCESS CONTROL STATIONS  
AND TAG PROGRAMMING BY PC**



- ✓ Four housing sizes available (M18/M30 x 35 mm and M18/M30 x 50 mm)
- ✓ HF 13.56 MHz (ISO 15693) or LF 31.25 kHz (proprietary) read/write modules
- ✓ Long read/write distance: up to 60 mm
- ✓ Enclosure rating IP 67
- ✓ Easy to mount thanks to standard threaded housings
- ✓ Host communication using hexadecimal-based ContriNET protocol
- ✓ Drivers available for Windows XP, 7, 10, CE4 & CE5 operating systems

## USE CASE

### USER ACCESS CONTROL OR PROGRAMMING STATION ADAPTED TO INDUSTRIAL APPLICATIONS

- Robust, low-cost read/write module, self-powered through USB connection
- Operating temperature range -25°C to +70°C (-13°F to +158°F)
- Windows .Net DLL available to simplify software development
- Software available for download on Contrinex website: **ContriNET HF LF Software** for basic data exchange with LF and HF transponders (proprietary and ISO 15693/NFC type 5)



PART REFERENCE	ART. NO.	FREQUENCY	SIZE	S <sub>MAX</sub>	CONNECTION
<a href="#">RLS-1181-230</a>	720-100-112	LF	M18 x 50 mm	36 mm	2 m cable + USB
<a href="#">RLS-1181-220</a>	720-100-108	HF	M18 x 50 mm	31 mm	2 m cable + USB
<a href="#">RLS-1181-220-120</a>	720-100-106	HF	M18 x 35 mm	31 mm	2 m cable + USB
<a href="#">RLS-1301-230</a>	720-100-113	LF	M30 x 50 mm	40 mm	2 m cable + USB
<a href="#">RLS-1301-220</a>	720-100-109	HF	M30 x 50 mm	60 mm	2 m cable + USB
<a href="#">RLS-1301-220-120</a>	720-100-107	HF	M30 x 35 mm	60 mm	2 m cable + USB

## SIMPLE CONTRINET PROTOCOL

### BASED ON RS485 PHYSICAL LAYER AND HEXADECIMAL DATA FRAMES

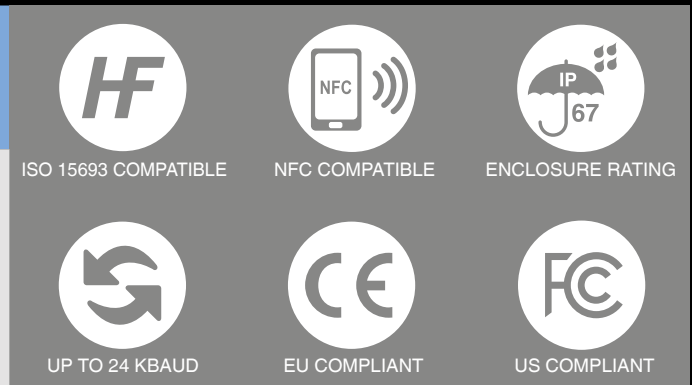
- DST address factory-assigned to 254 in case of USB read/write module
- Data-frame consistency assured by CRC8 cyclic redundancy check mechanism
- Same bus protocol covers LF (31.25 kHz) and HF (13.56 MHz) RFID applications



## ISO 15693 / NFC TYPE 5 RWM

### USE RFID STANDARD TO DEVELOP INTEROPERABLE RFID APPLICATIONS

- 13.56 MHz carrier frequency, data rates up to 24 kBaud
- Full support of ISO 15693 mandatory and optional command sets + partial support of SLI-S command set
- Read/write compatibility with NFC type 5 tags
- Fast data exchange allows on-the-fly reading. Typical transaction time for a 32 bit operation: 20 ms (read) and 24 ms (write)



Terms of delivery and right to change design reserved.

### HEADQUARTERS

**CONTRINEX AG** Industrial Electronics  
Route du Paqui 5 - PO Box - CH 1720 Corminboeuf - Switzerland  
Tel: +41 26 460 46 46 - Fax: +41 26 460 46 40  
Internet: [www.contrinex.com](http://www.contrinex.com) - E-mail: [info@contrinex.com](mailto:info@contrinex.com)

