

# WR100 User Manual

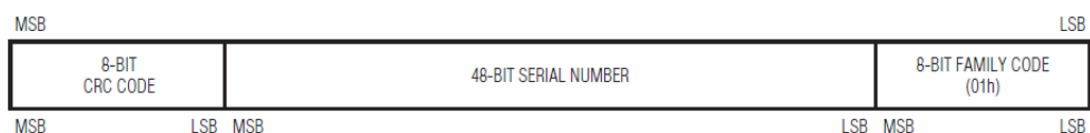
Version: V1.01



## 1.General Description



### 64-Bit Lasered ROM:

Each WR100 contains a unique ROM code that is 64bits long. The first 8 bits are a 1-Wire family code. The next 48 bits are a unique serial number. The last 8 bits are a CRC of the first 56 bits. See below Figure for details.



The 8bit family code of WR100 is 0x20.

## 2.Parts List

Name	Picture	Dimensions	Weight
WR100		95*60*12 mm	68grams (MAX)
RF Card		85.6*54*0.9 mm	

## 3. RFID Specification

NO	Type	Specification
1	Standards	Comply with ISO1443A standard
2	Frequency	13.56MHz

## 4.Electronic Condition

NO	TYPE	SPECIFICATION	Unit
1	Operation Temperature	-20~+80	°C
2	Storage Temperature	-20~+85	°C

## 5.Light Indicator

WR100 have one led that is two color lamp, red color is power led, blue color flash three times that express send data success.

## 6.Power Connection

VIN (PIN1)/GND (PIN2) are the power input pins. The input voltage range for this device is from 7V to 32V. The device is designed to be installed in vehicles that operate on 12V or 24V systems without the need for external transformers.

## 7.Installation

WR100 3Pin Output Interface:

WR100	Pin Names	color	Description
3Pin 1wire Interface	VDD	RED	WR100 power support 7V~32V.
	GND	BLACK	Ground
	1wire	WHITE	1-Wire data

## 8. Supported RF Card

Type	Manufacturer	Model	Operation distance
Supported RFID card	MIFARE	MIFARE Mini, MIFARE Ultralight, MIFARE- DESFire EV1, MIFARE Plus, MIFARE ONE(S50), MIFARE ONE(S70), MIFARE Pro(X)	50mm (using S50)
	LEGIC	LEGIC 4K capacity Card LEGIC 2K capacity Card LEGIC multi-protocol Card LEGIC Credit card	20mm 35mm 13mm 10mm