



## Features:

- 1.Swipe card (Support ISO14443 TYPE A or TYPE A-compatible contact-less)
- 2.bar code scan (1D 2D QR PDF417 Data matrix)
- 3.LCD display function key\*4
- 4.PSAM slot\*4、SIM\*1;
- 5.CAN、RS232、RS485、USB external interface;
- 6.Recognition time: <1000ms, generally 300ms-500ms;
- 7.Operation Distance: 3-10cm;



QR Code  
Recognition



IC Card  
Recognition

**Appearance:**



- 1. Wide voltage input endurance range from +9V to 50V
- 2. SAM cards slot; apply DES, RAS, MD5 ,digital signature encryption ensure the data storage & transmission safety.
- 4. Barcode Scanner Engine
- 5. IC Card
- 6. TFT LCD

**Product Specification:**

◇HW Description	Item
◇ Processor	<b>MT6763</b>
◇ Antenna	<b>antenna+Diversity +3 in 1</b>
◇ Speaker	<b>Speaker 2W</b>
◇ SIM	<b>SIM slot*1</b>
◇ System	
System version	<b>Android8.1</b>
◇ Memory	
* RAM	<b>2G</b>
* Flash	<b>16G</b>

◇ LCD	
* Main LCD	4 inch WVGA
◇ Multimedia	
* GPS	GPS、BeiDou、glonass
◇ Wireless Transmission	
* mobile Network	4G
* WIFI	Dual frequency
* Bluetooth	4.0
◇ Power Supply	
Voltage	5V~60V DC
◇ME Description	
	Item
◇ Type	In-vehicle
◇ Surface Material	PC
◇Key	
* Switch	Power button
* Side Key	4
◇ Socket & Connector	
* External Interface	CAN、485、USB
* PSAM	PSAM * 4
* I/O	USB Type A
* T-Flash Socket	1 SIM & 1 T
◇Bar-code	
* Module	NLS-EM20-EX by NEWLAND
* Type	QR-code, payment
◇ RFID	
*Pattern	13.56M ISO14443A
*Antenna	FPC
◇ PSAM	
* Pattern	ISO7816

### **Compatibility:**

- Modular design both HW & SW , high flexibility and expansibility.
- Supporting logical encryption card conforming to ISO/IEC14443 standard and contact less CPU card based on MIFARE PRO Technology
- Data format or document specification for can be designed according to technical specifications of the requirement.
- Memorize transaction&blacklist records external interface for data exchange by third party invention system.

### **RD100 application scene:**

- Bus payment;
- Expandable inquiry & register charging function
- Company and Campuses Bus.
- Canteen or shop payment