

## **BCRMW328-UC** **BayLan RFID Mifare Ultralight C NXP Card**

MIFARE Ultralight C is part of NXP's low-cost MIFARE offering (Disposable Ticket). With Triple DES, MIFARE Ultralight C uses a widely adopted standard, enabling easy integration in existing infrastructures. The integrated Triple DES authentication provides an effective countermeasure against cloning.



MIFARE Ultralight C - Contactless ticket IC to be used in a contactless smart ticket or smart card in combination with Proximity Coupling Devices (PCD). The communication layer (MIFARE RF Interface) complies to parts 2 and 3 of the ISO/IEC 14443 Type A standard.

### **FEATURES:**

#### **Mifare RF Interface (ISO / IEC 14443 A)**

- Contactless transmission of data and supply energy (No Battery needed)
- Operating Distance Upto 100mm (Depending on Antenna Geometry)
- Operating Frequency 13.56MHz
- Fast Data Transfer 106 Kbit/s
- High Data Integrity 16 Bit CRC, Parity, bit coding, bit counting
- True Anti-collision
- 7 byte serial number (cascade level 2 according to ISO / IEC 14443-3)
- Typical Ticketing Transactions < 35ms (Including Backup Management)
- Fast Counter Transaction < 10ms

### **EEPROM**

- 1536-bit total memory
- Field programmable read-only locking function per page for first 512-bit
- 32-bit user definable One-Time Programmable (OTP) area
- 1152-bit user Read/Write area (36 pages)
- 16-bit one-way counter
- 512-bit compatible to MF0ICU1
- Data Retention of 10 years
- Write endurance 100,000 cycles

### **SECURITY**

- 3DES Authentication
- Anti-cloning support by unique 7-byte serial number for each device

### **Packing :**

- Pack 1 by 1 / 200pcs Box / 2000pcs Carton

Specifications are subject to change without prior notice with advancement in technology.