

# KT45 RFID\_LF API Specification

134.2KHz 125KHz

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## Specification

This document describes five functions of serial\_native.java file in the code directory of com.android.lflibs. You could use the functions to read and write to serial port. For the LRFID module, when the power is on, it will return the card value from the serial port if the card is within the valid range, All we need to do is getting the content by reading the serial port constantly.

## API Function Specification

### 1. int OpenComPort()

FUNC PROTOTYPE	int OpenComPort(String device)		
FUNC DESCRIPTION	Open serial port		
PARAM DESCRIPTION	device	String	point the serial port path
RETURN VALUE	0 means ok; -1 means open failed		

### 2. void CloseComPort()

FUNC PROTOTYPE	void CloseComPort()		
FUNC DESCRIPTION	Close serial port		
PARAM DESCRIPTION	none		
RETURN VALUE	none		

### 3. byte[] ReadPort()

FUNC PROTOTYPE	byte[] ReadPort(int count)		
FUNC DESCRIPTION	Read data from serial port		
PARAM DESCRIPTION	count	int	Bytes expected to be read, but the number is not promised
RETURN VALUE	Read the return value. It means failure if null		

## 4. int WritePort()

FUNC PROTOTYPE	int WritePort(byte[] buf)		
FUNC DESCRIPTION	Write data to serial port		
PARAM DESCRIPTION	buf	byte[]	The data expected to be written, it will do the best but not promised
RETURN VALUE	When it is a positive value, means actual written number of bytes(maybe less than the length of buffer), if negative one, means failure		

## 5. void ClearBuffer()

FUNC PROTOTYPE	void ClearBuffer()		
FUNC DESCRIPTION	Clear serial port buffer zone. when read wrongly, could use this function to clear the zone to avoid impacting next reading		
PARAM DESCRIPTION	none		
RETURN VALUE	none		