GOODCOM CARD SDK

**1. SDK Environmental Configurations**

Please refer to the file ***Configuration for GoodCom SDK.docx***

**2. Introduction**

SDK uses Handler to transfer the information, and do the corresponding operation according to the received messages.

**3. Example for magnetic card**

**public** **class** ICCActivity **extends** Activity {

**private** **static** **final** String *TAG* = "GCICC";

//IC card and magnetic card related processing class

GCAndroidICC mGcAndroidICC = **new** GCAndroidICC();

EditText icc\_text;

@Override

**protected** **void** onCreate(Bundle savedInstanceState) {

**super**.onCreate(savedInstanceState);

setContentView(R.layout.*activity\_icc*);

icc\_text = (EditText) findViewById(R.id.*icc\_text*);

//Receive card reading data by using Handler message mechanism

GcICCMsgHandler mGcMsgHandler = **new** GcICCMsgHandler(**this**.getMainLooper());

mGcAndroidICC.RegisterICCHandler(mGcMsgHandler);

mGcAndroidICC.GcOpenCardReader();

}

//Message receiving and processing class

**public** **class** GcICCMsgHandler **extends** Handler{

**public** GcICCMsgHandler(Looper L)

{

**super**(L);

}

@Override

**public** **void** handleMessage(Message msg)

{

**switch**(msg.what)

{

//Magnetic card message for obtaining the magnetic card number

**case** GCAndroidICC.*GC\_MSG\_MAG\_CARD*:

{

**char** [] mag = (**char**[]) msg.obj;

icc\_text.setText(String.*valueOf*(mag));

}

**break**;

**default**:

**break**;

}

}

}

**4.** **Introduction for Communication message**

|  |  |
| --- | --- |
| Name of Communication Message | Functions |
| GCAndroidICC.GC\_MSG\_MAG\_CARD | Magnetic card message for obtaining the magnetic card number |
| GC\_MSG\_IC\_CARD\_STATUS | When IC card insert |
| GCAndroidICC.GC\_MSG\_ICC\_POWER\_ON | IC card power on |
| GCAndroidICC.GC\_MSG\_ICC\_POWER\_OFF | IC card power off |
| GCAndroidICC.GC\_MSG\_IC\_CARD | IC card message for obtaining the IC card number |
| GCAndroidICC.GC\_MSG\_IC\_CARD\_NO\_INSERT | When IC card pull out |
| GCAndroidICC.GC\_MSG\_CARD\_ERROR | Read IC card error |
| GCAndroidICC.GC\_MSG\_IC\_CUSTOM | Send APDU return message |

**5. The API of card control**

**public** **void** GcOpenCardReader();//Open card reader

**public** **void** GcCloseCardReader();//Close card reader

**public** **void** GcSetICCPowerON();// IC card power on

**public** **void** GcSetICCPowerOFF();// IC card power off

**public** **void** GcReadICCard();//Test for read IC card number

public void GCSend\_APDU(char[] custom\_apdu);//Send APDU