

门禁系统采用STC89C52单片机作为控制核心，外围加蜂鸣器控制电路、开门指示灯电路、电控锁控制电路以及LCD液晶显示电路等。门禁系统主要由CPU、工作指示电路、振荡电路、蜂鸣器电路、门控锁电路、读卡模块、显示模块等组成。该门禁系统采用射频卡完成刷卡进门，按刷卡出门等功能。其工作原理为：当刷卡时，蜂鸣器响一下，如卡权限获得允许，显示模块显示卡号，同时继电器动作将门锁打开，指示灯点亮，延时一段时间后继电器再次动作将门锁锁闭，指示灯熄灭。当按下出门按钮时，继电器动作将门锁打开，指示灯点亮，延时一段时间后继电器再次动作将门锁锁闭，指示灯熄灭。当输入初始密码时，若输入正确，继电器动作将门锁打开，指示灯点亮，延时一段时间后继电器再次动作将门锁锁闭。此外，程序中还增加了射频卡权限判断的功能，当遇到合法卡时显示卡号，门锁打开，延时10s自动关闭，当遇到非法卡时不显示卡号门锁不开。本系统设计简单、性能优良，具有一定的实用性。



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1  uchar code dis1[] = {"    欢迎使用    "};
2  uchar code dis2[] = {"  门禁刷卡系统  "};
3  uchar code dis3[] = {"                "};
4  uchar code dis4[] = {"    管理界面    "};
5  uchar code dis5[] = {"    刷卡成功    "};
6  uchar code dis6[] = {"    当前状态    "};
7  uchar code dis7[] = {"    请进!      "};
8  uchar code dis8[] = {"    无效卡      "};
9  uchar code dis9[] = {"请联系管理员开门"};
10 uchar code table5[]={"消费:"};
11 //uchar code table6[]={"余额:"};
12 uchar code table11[]={"充值:"};
13 uchar code table12[]={"扣钱:"};
14 uchar code table8[]={"注册成功      "};
15 uchar code table9[]={"撤销成功      "};
16 uchar code table10[]={"无效卡:      "};
17 unsigned char code data1[16] = {0x12,0x34,0x56,0x78,0xED,0xCB,0xA9,0x87,0x12,0x34,0x56,0x78,0x01,0xFE,0x01,0xFE};
18 //M1卡的某一块写为如下格式，则该块为钱包，可接收扣款和充值命令
19 //4字节金额（低字节在前）+4字节金额取反+4字节金额+1字节块地址+1字节块地址取反+1字节块地址+1字节块地址取反
20 unsigned char code data2[4]  = {0,0,0,0x02};
21 unsigned char code data3[4]  = {0,0,0,0x0a};
22 unsigned char code Yankey[6]  = {0xFF, 0xFF, 0xFF, 0xFF, 0xFF, 0xFF}; // 原始密码
23 unsigned char code XiugaiYunKey[16]= {0xFF,0xFF,0xFF,0xFF,0xFF,0xFE,0xFF,0x07,0x80,0x69,0xFF, 0xFF, 0xFF, 0xFF, 0xFF,
24 unsigned char code Nowkey[6]   = {0xFF, 0xFF, 0xFF, 0xFF, 0xFF, 0xFE}; //xianzia 密码
25 unsigned char code XiugaiNowKey[16]= {0xFF,0xFF,0xFF,0xFF,0xFF,0xFF,0xFF,0x07,0x80,0x69,0xFF, 0xFF, 0xFF, 0xFF, 0xFF,
26 unsigned char g_ucTempbuf[20];
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