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[Forum: 8-bit PIC](#)

[Topic: PIC18F26K20 搭配A9850模組使用](#)

[Subject: Re: PIC18F26K20 搭配A9850模組使用](#)

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非常抱歉個位版大再發文有移
肉最重要的code及圖片

```
#include "mcc_generated_files/mcc.h"

/*
                                Main application
*/
//unsigned char freq[8];
unsigned char freq[8]={0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00};

//-----
//                                AD9850 serial mode rest
//-----
void AD9850_rest_serial(void)
{
    SCK_SetLow();//AD9850 WCLK
    FQUP_SetLow(); //AD9850 FQUD
    //rest single
    AD9850_Rest_SetLow();
    AD9850_Rest_SetHigh();
    AD9850_Rest_SetLow();
    //WCLK single
    SCK_SetLow();//AD9850 WCLK
    SCK_SetHigh();
    SCK_SetLow();
    //fQUD single
    FQUP_SetLow();//AD9850 FQUD
    FQUP_SetHigh();
    FQUP_SetLow();
}

//-----
//    Write commands and data to the AD985(serial port)
//-----
void AD9850_wr_serial(unsigned int y)
{
```

```

char i,w;
long int a,b,c,x;
//Calculate the HEX value of the frequency
a=4294967296/125000000;//2^32/125M
b=y/1000000;
c=b*a;

//write w4 data 0~7
w=(c>>0);
for(i=0;i<8;i++)
{
    x=SPI_Exchange8bit('w');
    x>>i&0x01;
    SCK_SetHigh();//AD9850 WCLK
    SCK_SetLow();//AD9850 WCLK
}
//write w3 data 8~15

w=(c>>8);
for(i=0;i<8;i++)
{
    x=SPI_Exchange8bit('w');
    x>>i&0x01;
    SCK_SetHigh();//AD9850 WCLK
    SCK_SetLow();//AD9850 WCLK

}
//write w2 data

w=(c>>16);
for(i=0;i<8;i++)
{
    x=SPI_Exchange8bit('w');
    x>>i&0x01;
    SCK_SetHigh();//AD9850 WCLK
    SCK_SetLow();//AD9850 WCLK

}
//write w1 data
w=(c>>24);
for(i=0;i<8;i++)
{
    x=SPI_Exchange8bit('w');
    x>>i&0x01;
    SCK_SetHigh();//AD9850 WCLK
    SCK_SetLow();//AD9850 WCLK

}
//write w0 data 注意

```

```

w=c;
for(i=0;i<8;i++)
{
    x=SPI_Exchange8bit('w');
    x>>i&0x01;
    SCK_SetHigh();//AD9850 WCLK
    SCK_SetLow();//AD9850 WCLK
}
//Move in enable
FQUP_SetHigh();//AD9850 FQUD
FQUP_SetLow();
}

void main(void)
{
    // Initialize the device
    SYSTEM_Initialize();
    AD9850_rest_serial();
    AD9850_wr_serial(1000);
    //Serial write 1000Hz program

    // If using interrupts in PIC18 High/Low Priority
    Mode you need to enable the Global High and Low
    Interrupts

    // If using interrupts in PIC Mid-Range Compatibility
    Mode you need to enable the Global and Peripheral
    Interrupts
    // Use the following macros to:

    // Enable the Global Interrupts
    //INTERRUPT_GlobalInterruptEnable();

    // Disable the Global Interrupts
    //INTERRUPT_GlobalInterruptDisable();

    // Enable the Peripheral Interrupts
    //INTERRUPT_PeripheralInterruptEnable();

    // Disable the Peripheral Interrupts
    //INTERRUPT_PeripheralInterruptDisable();

    while (1)
    {
        // Add your application code
    }
}

```

```
/**  
End of File  
*/
```