

eZ2931

Web to SMS

Abstract

Often we meet application enabling we deliver Short Message Service (SMS) in free of charge to destination SMS number..However most its delivery SMS joined with product advertisement. We also in limiting deliver SMS only 10 times per day.We also need to register.

To facilitate delivery SMS, we make application of delivery SMS through Web by using eZ80F91 Acclaim! Contest Kit from ZiLOG. Our projects able to deliver SMS through Web.

This Microcontroller is good for Embedded TCP/IP projects. This Microcontroller have own ethernet controller inside chip. EZ80F91 also have 2 serial port communication. It low power and easy to program the code.

For WebtoSMS project, we need internet/LAN connection and also the serial communication with Mobile Phone. ZiLOG have this feature and a lot of other feature making we chosen ZiLOG, among other things low power.

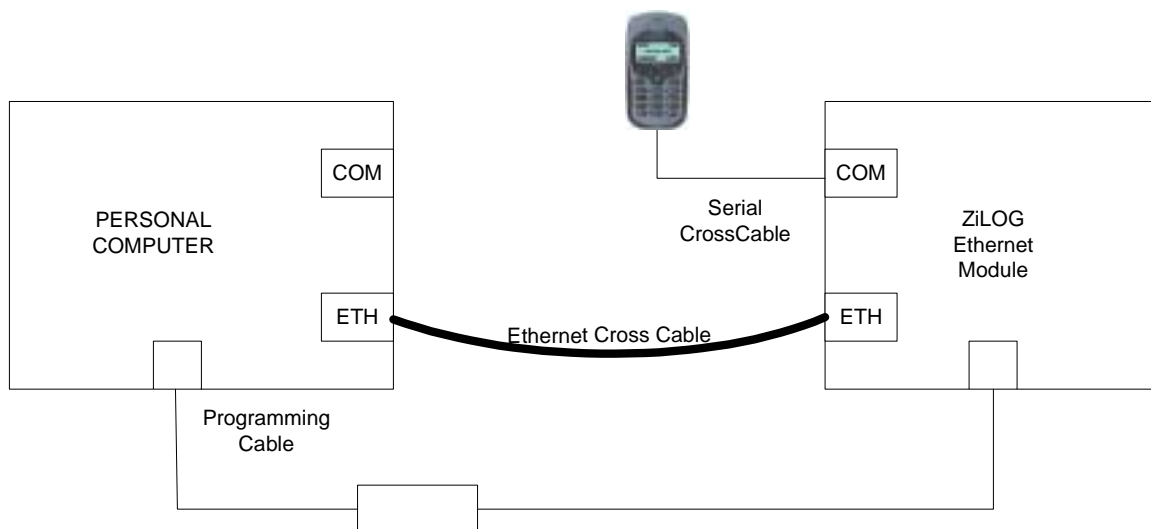


Fig 1, The WebToSMS diagram

This is some code for Send SMS to MobilePhone after the microcontroller get the SMS & destination number from web.

```
SendString((unsigned char *)"000100"); //Default SMSC Number
putASCII(sizechar(smsdestnum));      // Put length of number
SendString((unsigned char *)"91"); //International Only
lensmsnum = sizechar(smsdestnum);
if ((lensmsnum % 2)==0)              // even number
{
```

```

    for (i=0;i<lensmsnum;i++)
    {
        putchar(smsdestnum[i+1]); // swap digit number
        putchar(smsdestnum[i++]);
    }
}
else
{
    for (i=0;i<lensmsnum;i++)
    {
        if (smsdestnum[i+1]==0x00)
        {
            /* If odd number, add "F" to the end number */
            putchar('F');
            putchar(smsdestnum[i]);
            break;
        }
        putchar(smsdestnum[i+1]); // swap digit number
        putchar(smsdestnum[i++]);
    }
}

SendString((unsigned char *)"0000");
putASCII(lensms);

for (i=0; i<(lensms7bit); i++)
    putASCII(smsintxt[i]);

putch(26); // Ctrl+Z

```



Fig 2, WebToSMS Server

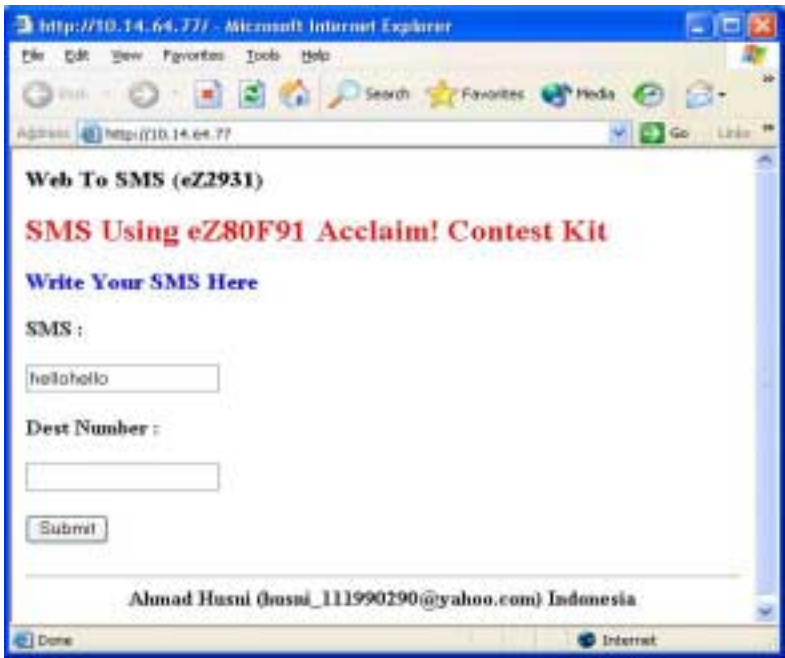


Fig 3, The Web Page