

## Using Vortex86SX WDT in Windows CE

2007-10-29

This document will show programmers how to use our watchdog timer DLL in embedded Visual C++ and .NET compact frame work. Document at [http://www.dmp.com.tw/tech/vortex86sx/SX\\_Using\\_WDT.pdf](http://www.dmp.com.tw/tech/vortex86sx/SX_Using_WDT.pdf) has more information about using watchdog timer in Vortex86SX SoC.

### SX\_WDT.DLL

There are six functions in SX\_WDT.DLL:

```
/*
nTime is time out value in mini-second. 1000 for one second.
nEvent is time out event, refer to Vortex86SX WDT document for more.
Here are event define:
#define WDT_IRQ3          0x10
#define WDT_IRQ4          0x20
#define WDT_IRQ5          0x30
#define WDT_IRQ6          0x40
#define WDT_IRQ7          0x50
#define WDT_IRQ9          0x60
#define WDT_IRQ10         0x70
#define WDT_IRQ12         0x90
#define WDT_IRQ14         0xA0
#define WDT_IRQ15         0xB0
#define WDT_NMI           0xC0
#define WDT_SYSTEMRESET  0xD0
*/
int SetWDT0(unsigned int nTime, unsigned char nEvent);
int SetWDT1(unsigned int nTime, unsigned char nEvent);

void ResetWDT0(void);
void ResetWDT1(void);

void DisableWDT0(void);
void DisableWDT1(void);
```

### Examples

There are two examples: **eVC\_Example** is embedded Visual C++ example and **Net\_Example** is .NET Compact Framework example for Visual Studio 2005. Compiled execute files are at directory **Bin**. Programmer can run them in Windows CE. For Net\_Example example, please make sure your Windows CE image support .NET Compact Framework.

### Technical Support

For more technical support, please visit <http://www.dmp.com.tw/tech/vortex86sx> or mail to [tech@dmp.com.tw](mailto:tech@dmp.com.tw).