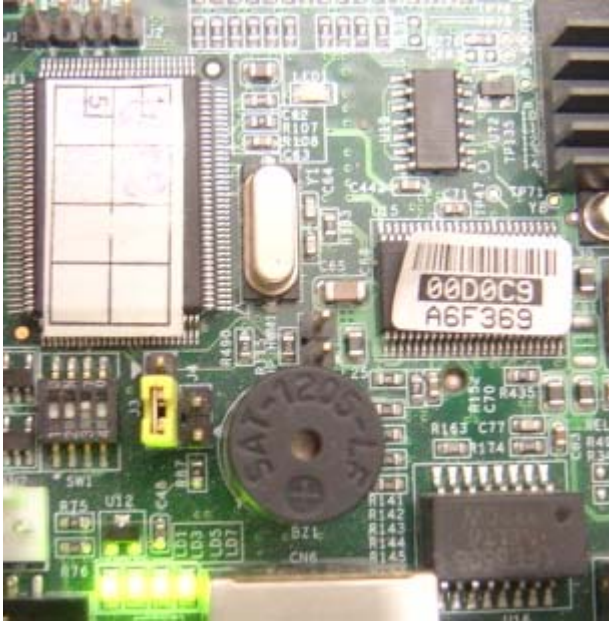


## How to use wd-daemon to test FWA's WDT function for Linux

The test utility "wd-daemon" only supports Winbond WD83627 WDT function, and it may process in kernel 2.4.x (ex: RH 7.2) to Kernel 2.6.x (ex: CentOS 5.3)

1. User need to check WDT jumper whether it set as "WDT reset" function.

(Example: FWA-3710)



item5

J3: Watch Dog Selectio



1-2 SHORT : Watch Dog Lan Bypass



2-3 SHORT : Watch Dog Reset (Default)

The test utility needs to install gcc or cc compile tool, kindly key-in "gcc -v" and "cc -v" to check compile tool installed or not.

```
[root@localhost home]# gcc -v
Reading specs from /usr/lib/gcc-lib/i386-redhat-linux/2.96/specs
gcc version 2.96 20000731 (Red Hat Linux 7.1 2.96-98)
```

2. Please copy wd-daemon.tgz in /home and uncompress it

```
[root@localhost ~]# cd /home/
[root@localhost home]#
[root@localhost home]# ls
wd-daemon.tgz
[root@localhost home]#
[root@localhost home]# tar zxvf wd-daemon.tgz
wd-daemon/
wd-daemon/Makefile
wd-daemon/wd.c
wd-daemon/wd
```

3. Please into the wd-daemon subdirectory , del "wd" file, and key-in "make to compile a new wd execute file.

```
[root@localhost home]# cd wd-daemon
[root@localhost wd-daemon]#
[root@localhost wd-daemon]# ls
Makefile wd wd.c
[root@localhost wd-daemon]# rm wd
rm: remove regular file `wd'? y
[root@localhost wd-daemon]# make
cc -DDEBUG wd.c -o wd
```

4. Please key-in “./wd” to process WDT utility , it will show down-count and always loop this message.

```
[root@localhost wd-daemon]# ./wd
[root@localhost wd-daemon]# watch dog timeout 10
watch dog timeout 9
watch dog timeout 8
watch dog timeout 7
watch dog timeout 6
watch dog timeout 5
watch dog timeout 4
watch dog timeout 3
watch dog timeout 10
watch dog timeout 9
watch dog timeout 8
watch dog timeout 7
watch dog timeout 6
watch dog timeout 5
watch dog timeout 3
watch dog timeout 2
```

5. Please open another terminal (ex: Allt-ctrl-F2), and key-in “ps -aux | grep wd” to search the process of wd.

6. If user needs to test WDT reset function, please key-in “kill -9 3279(3279 is the process )”,the step is mean system crashed, WDT will auto-reset FWA system after 2~5 sec

```
[root@localhost ~]# ps -aux | grep wd
Warning: bad syntax, perhaps a bogus '-'? See /usr/share/doc/procps-3.2.7/FAQ
root 3279 0.0 0.0 1648 424 ? Ss 05:22 0:00 ./wd
root 3284 0.0 0.0 3908 688 tty3 R+ 05:23 0:00 grep wd
[root@localhost ~]# kill -9 3279
```