

Re: Help! kernel cannot startup with mainstone III

Source:

<http://www.tech-archive.net/Archive/WindowsCE/microsoft.public.windowsce.embedded/2007-05/msg00147.html>

- *From:* Kelvin Leung <KelvinLeung@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Tue, 15 May 2007 01:19:00 -0700
-

Hi Blake,

Thanks a lot of your help. Your suggestion seems solve the problem (There is still no problem until now).

However, your code do not work with my DOC (disk on chip). It stuck with the following code below:

```
Press [ENTER] to launch image stored in flash or [SPACE] to cancel.
```

```
Initiating image launch in 0 seconds. DiskOnChip Initialization Done...
PartitionSize (Hex): 2400000
RealPartitionSize (Hex): 2000000
UnitSize (Hex): 40000
Loading... Please wait...
System ready!
Preparing for download...
INFO: Using device name: 'MAINSTN52394'
Download successful! Jumping to image at 0x80300000 (physical 0xA0300000)...
```

How can I solve the boot up with DOC? since my software skill is not so good.....

Thanks a lot.

Regards,

"Blake" wrote:

Hi Kelvin,

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Try to clean memory first in the bootloader because your memory may still keep some data when you turn on/off the machine quickly.
I put the code for your reference.

```
void OEMLaunch(DWORD dwImageStart, DWORD dwImageLength, DWORD
dwLaunchAddr,
const ROMHDR *pRomHdr)
{
.....
// Wait for PB connection...
//
if (g_DownloadImage)
{
.....
}
// Clean Boot : Clean RAM space
memset((LPVOID)pRomHdr->ulRAMStart, 0, pRomHdr->ulRAMEnd -
pRomHdr->ulRAMStart);
.....
SpinForever();
}
```

--
I hope it is useful ^_^

Best Regards,
Blake Chang

"Kelvin Leung" <KelvinLeung@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message
news:7389B1FB-8AC1-415A-A65B-B65B8B8037C5@xxxxxxxxxxxxxxxxxxxx

Hi all,

I have a urgent problem with my mainstone III board that I cannot startup
Windows CE 5.0 after download NK.bin through Ethernet.

The message is shown on the hyperterminal in startup:
***** OEMVerifyMemory checking physical range [0xA0300000 ==>
0xA1A25FFF
]..
***** RAM address *****

```
rom_offset=0x0.
ROMHDR at Address 80300044h
Download successful! Jumping to image at 0x80301000 (physical
0xA0301000)...
Got EDBG_CMD_JUMPIMG
```

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Got EDBG_CMD_CONFIG, flags:0x00000000

Windows CE Kernel for ARM (Thumb Enabled) Built on Jun 24 2004 at
18:25:00

ProcessorType=0411 Revision=4

sp_abt=ffff5000 sp_irq=ffff2800 sp_undef=ffffc800 OEMAddressTable =
8030699c

XSCDBG:Trace initialized: CFG:81a50d0c Buffer: 81a4f7f8, 14f0

Sp=ffffc7cc

After Sp=ffffc7cc, the startup procedure stops. What is my problem with my
image??

Thanks a lot of your help.

Regards,