

i.MX51 工程机与桌面电脑的调试联通设置

硬件说明:

CPU: freescale imx515

DDRII: EDE1116AE 4 片

SD 卡系统

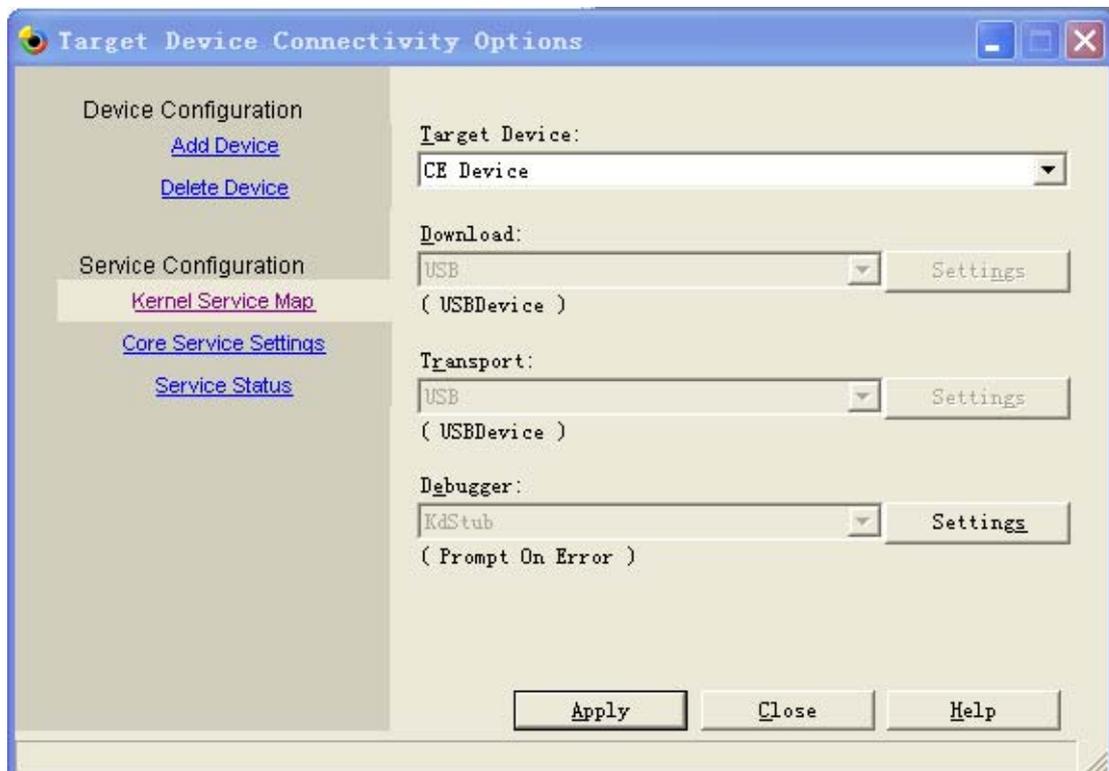
操作说明: (USB 联机模式)

一: 设置

设置 1:工程机的设置:

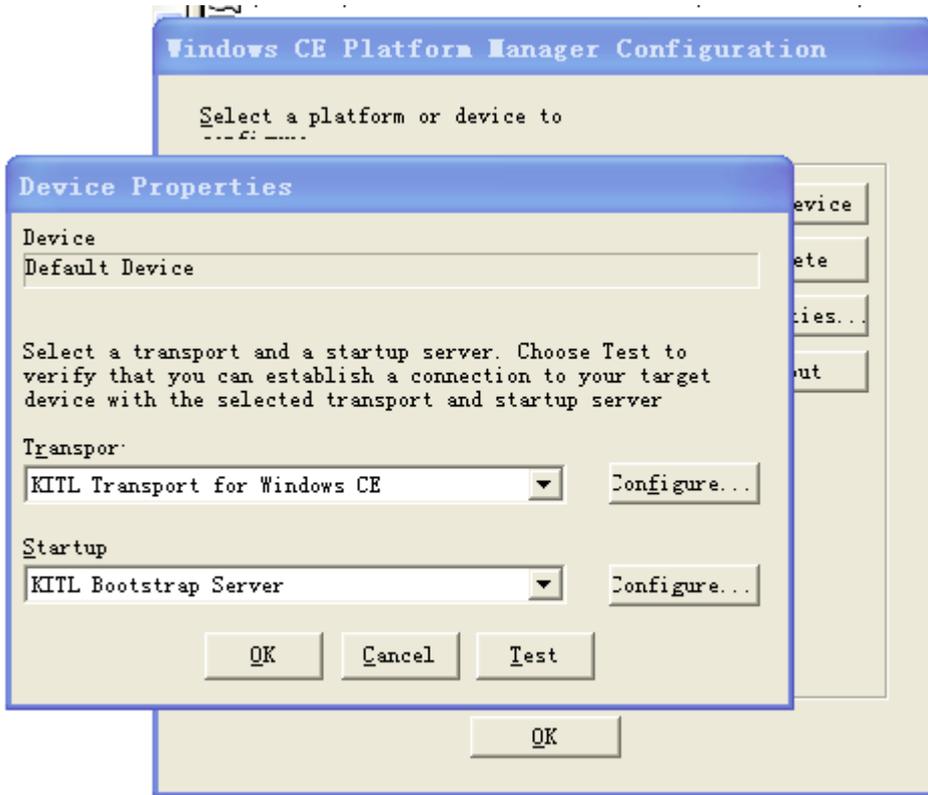
```
-----  
[0] IP Address : 192.168.0.16  
[1] Set IP Mask : 255.255.255.0  
[2] Boot Delay : 3  
[3] DHCP : Enabled  
[4] Reset to Factory Default Configuration  
[5] Select Boot Device : NK from SD/MMC  
[6] Set MAC Address : 11-22-33-44-55-66  
[7] Format OS NAND Region  
[8] Format All NAND Regions  
[9] Bootloader Shell  
[I] KITL Work Mode : Interrupt  
[K] KITL Enable Mode : Enable  
[P] KITL Passive Mode : Disable  
[S] Save Settings  
[D] Download Image Now  
[L] Launch Existing Flash Resident Image Now  
[E] Select Ether Device : USB serial  
[M] MMC and SD utilities
```

设置 2:PB 中的设置:



所有机型都设置成此模式:imx255,imx51 等.

进入 visual 2005→target→Remote Tools 下的任何一下,在其 Connetion→Configure Windows CE Platform Maneger...中设置如下



设置完成.

二：启动

启动工程机,会有如下信息:

```

windows CE Kernel for ARM (Thumb Enabled) Built on Oct 20 2
009 at 18:39:19
INFO:OALogSetZones: dpCurSettings.ulZoneMask: 0xb
DEInit: silicon rev = 0x20
BoardID = 0x0.
WARN: KITL can't obtain IRQ for KITL device
WARN: KITL will run in polling mode
Connecting to Desktop
Connecting to Desktop .. resending
Closing Handle of Timer Thread
vBridge:: VB_INITIALIZED returns [0]

```

此时 PB 应要以下状态



PB 中会有以下信息:

```
PB Debugger The Kernel Debugger is waiting to connect with target.
PB Debugger Kernel debugger connected.
PB Debugger The Kernel Debugger connection has been established (Target CPU is ARM).
PB Debugger Target name: CE Device
PB Debugger Probe name: KdStub
PB Debugger Binary Image should be loaded at 0x80200000 / Data relocated at 0x82a76000
PB Debugger Loaded symbols for 'D:\WINCE600\OSDESIGNS\IMX51-EVK-MOBILITY\RELDIR\FREESCALE_I_MX51_EVK_ARMV4I_RELEASE\NK_EXE'
PB Debugger Loaded symbols for 'D:\WINCE600\OSDESIGNS\IMX51-EVK-MOBILITY\RELDIR\FREESCALE_I_MX51_EVK_ARMV4I_RELEASE\COREDLL.DLL'
PB Debugger Loaded symbols for 'D:\WINCE600\OSDESIGNS\IMX51-EVK-MOBILITY\RELDIR\FREESCALE_I_MX51_EVK_ARMV4I_RELEASE\KERNEL.DLL'
PB Debugger Loaded symbols for 'D:\WINCE600\OSDESIGNS\IMX51-EVK-MOBILITY\RELDIR\FREESCALE_I_MX51_EVK_ARMV4I_RELEASE\KITL.DLL'
PB Debugger Loaded symbols for 'D:\WINCE600\OSDESIGNS\IMX51-EVK-MOBILITY\RELDIR\FREESCALE_I_MX51_EVK_ARMV4I_RELEASE\OALIOCTL.DLL'
PB Debugger Loaded symbols for 'D:\WINCE600\OSDESIGNS\IMX51-EVK-MOBILITY\RELDIR\FREESCALE_I_MX51_EVK_ARMV4I_RELEASE\HD.DLL'
PB Debugger Loaded symbols for 'D:\WINCE600\OSDESIGNS\IMX51-EVK-MOBILITY\RELDIR\FREESCALE_I_MX51_EVK_ARMV4I_RELEASE\OSAXSTO.DLL'
PB Debugger Loaded symbols for 'D:\WINCE600\OSDESIGNS\IMX51-EVK-MOBILITY\RELDIR\FREESCALE_I_MX51_EVK_ARMV4I_RELEASE\OSAXST1.DLL'
PB Debugger Loaded symbols for 'D:\WINCE600\OSDESIGNS\IMX51-EVK-MOBILITY\RELDIR\FREESCALE_I_MX51_EVK_ARMV4I_RELEASE\KD.DLL'
PB Debugger Loaded symbols for 'D:\WINCE600\OSDESIGNS\IMX51-EVK-MOBILITY\RELDIR\FREESCALE_I_MX51_EVK_ARMV4I_RELEASE\K_COREDLL.DLL'
PB Debugger Loaded symbols for 'D:\WINCE600\OSDESIGNS\IMX51-EVK-MOBILITY\RELDIR\FREESCALE_I_MX51_EVK_ARMV4I_RELEASE\FILESYS.DLL'
PB Debugger Loaded symbols for 'D:\WINCE600\OSDESIGNS\IMX51-EVK-MOBILITY\RELDIR\FREESCALE_I_MX51_EVK_ARMV4I_RELEASE\K_FPCRT.DLL'
PB Debugger Loaded symbols for 'D:\WINCE600\OSDESIGNS\IMX51-EVK-MOBILITY\RELDIR\FREESCALE_I_MX51_EVK_ARMV4I_RELEASE\FSDMGR.DLL'
39379 PID:400002 TID:650002 OALIoCtlHalIni.tRTC (2006/1/1 12:0:0.000)
PB Debugger Loaded symbols for 'D:\WINCE600\OSDESIGNS\IMX51-EVK-MOBILITY\RELDIR\FREESCALE_I_MX51_EVK_ARMV4I_RELEASE\ROMFSD.DLL'
39379 PID:400002 TID:650002 WARNING: SRTC was reset.
PB Debugger Loaded symbols for 'D:\WINCE600\OSDESIGNS\IMX51-EVK-MOBILITY\RELDIR\FREESCALE_I_MX51_EVK_ARMV4I_RELEASE\RELFSD.DLL'
PB Debugger Loaded symbols for 'D:\WINCE600\OSDESIGNS\IMX51-EVK-MOBILITY\RELDIR\FREESCALE_I_MX51_EVK_ARMV4I_RELEASE\SHELL_EXE'
PB Debugger Loaded symbols for 'D:\WINCE600\OSDESIGNS\IMX51-EVK-MOBILITY\RELDIR\FREESCALE_I_MX51_EVK_ARMV4I_RELEASE\TOOLHELP.DLL'
PB Debugger Loaded symbols for 'D:\WINCE600\OSDESIGNS\IMX51-EVK-MOBILITY\RELDIR\FREESCALE_I_MX51_EVK_ARMV4I_RELEASE\DEVICE.DLL'
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表明联机成功, Remote Tools 可以读取目标机中的相关信息