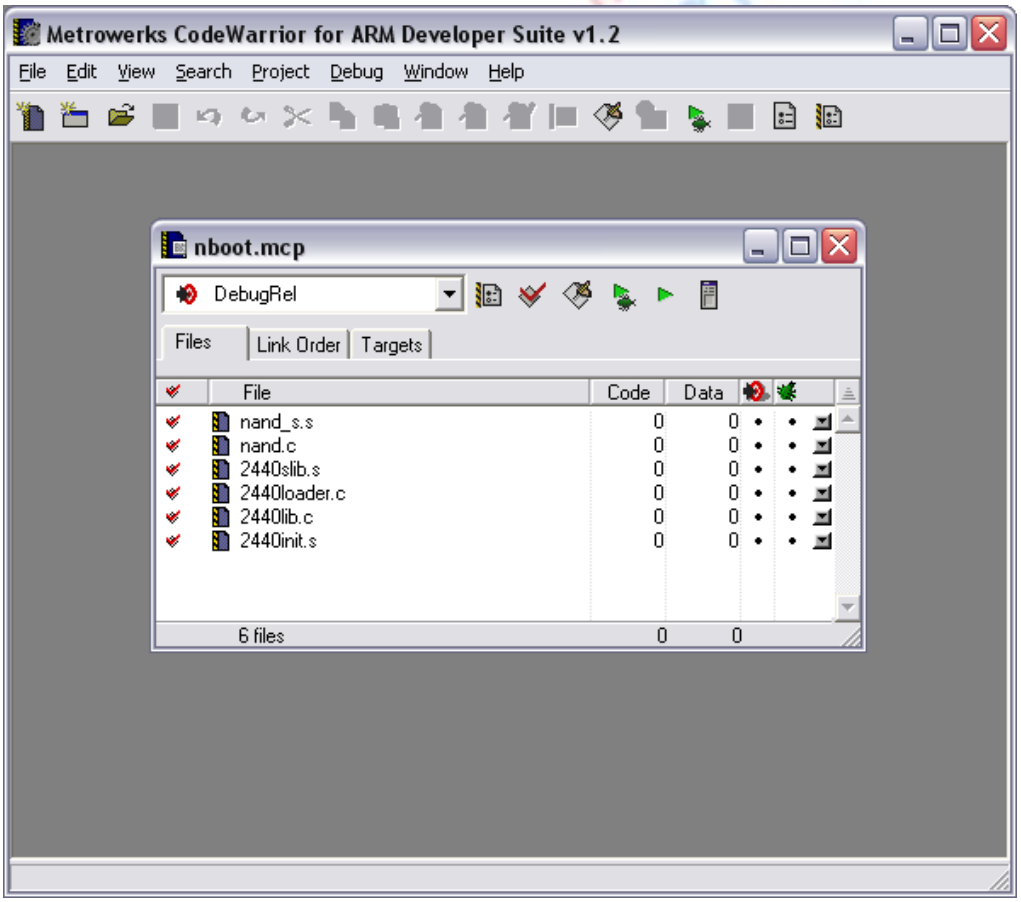
4.5 NBOOT compiler and programmer

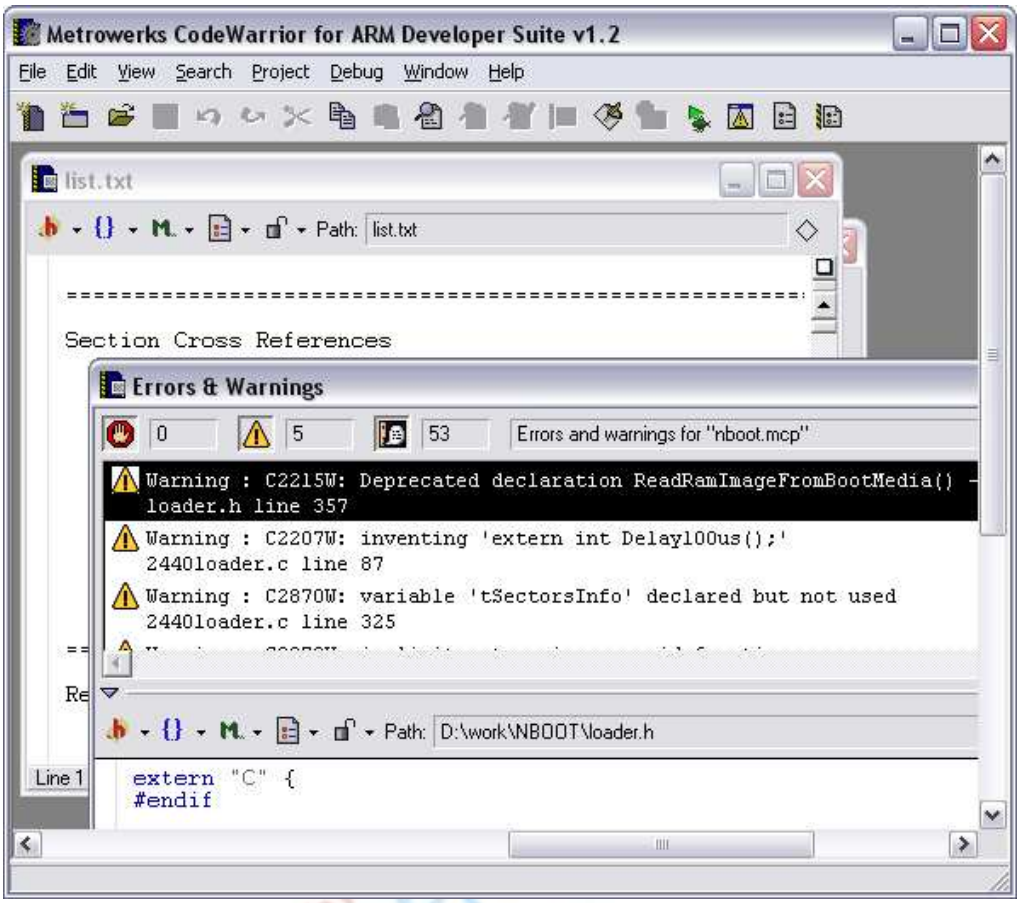
NBOOT is a very simple bootloader, it is mainly used to start the WINCE kernel, use NBOOT WINCE start supervivi than some of the faster, and the following is the compiler and programmer NBOOT steps.

4.5.1 Compiler NBOOT

The CD-ROM "Windows CE 5.0" folder in the directory "NBOOT" folder are copied to a hard drive directory (in this for the D:\work), to remove its read-only attribute, running ADS1.2 integrated development environment, at File > Open ... open nboot.mcp documents, figure.



At this time point Project > Make menu or directly by the F7 key to start the project nboot compiler, the compiler has finished figure:

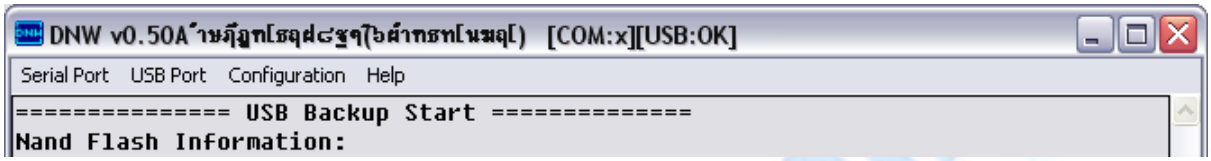


In D:\work\NBOOT\nboot_Data\DebugRel directory will generate an executable file nboot.bin figure.

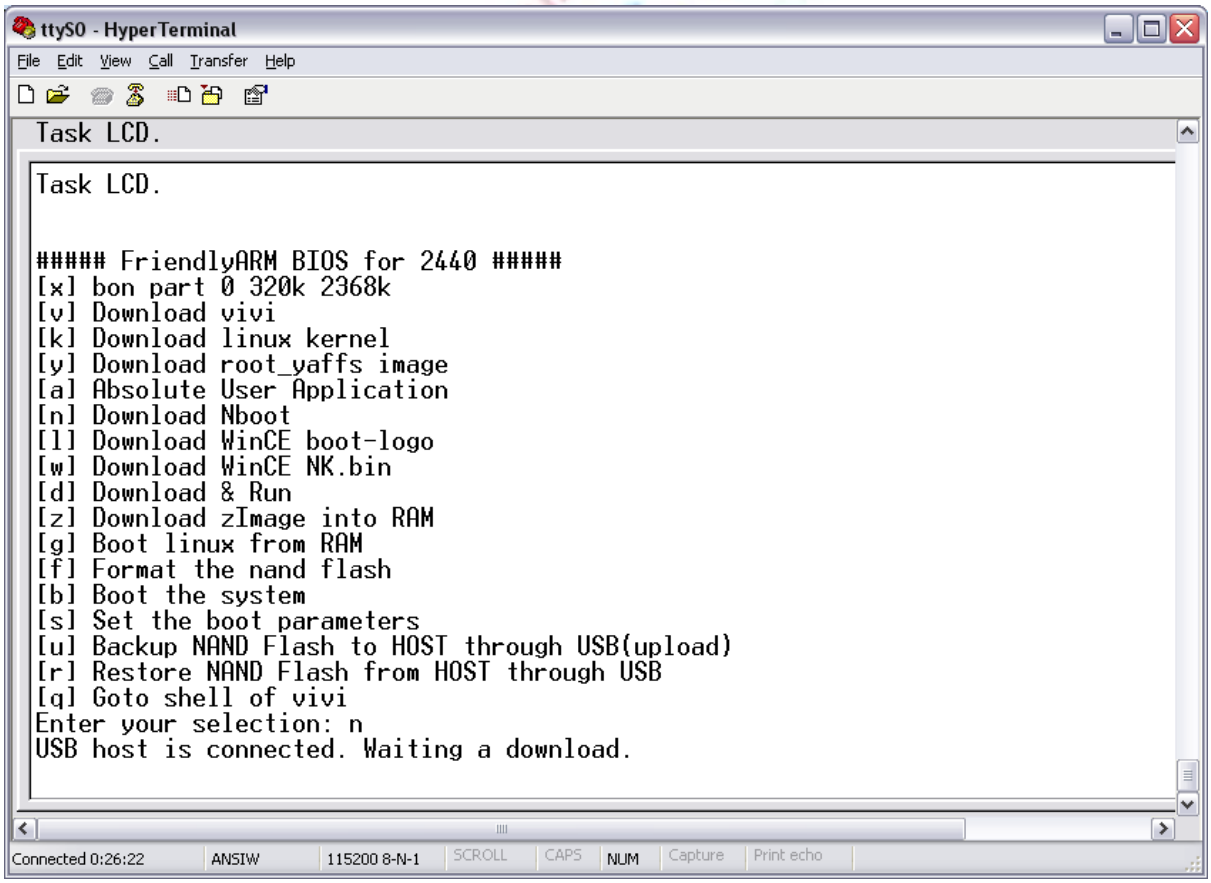
4.5.2 Program NBOOT to NAND Flash

(1) Connect good development board power supply, serial lines, USB cable, and set the S2 DIP-switch to start the NOR flash system HyperTerminal to open serial port, respectively, and DNW, the power development board to start.

(2) Ensure the USB driver has been installed (as has already been described in detail the installation of USB-driven approach), this can be DNW's title bar to see the show [USB: OK], if there is no driver installed will be displayed [USB: x], as shown:



(3) At this time in the BIOS functions of the HyperTerminal menu, select the function [n], there to wait for USB download message:



(4) Click on the DNW procedures "USB Port > Transmit", the compiler figure out just select image file (CD-ROM "images" directory has been compiled in the executable file), so start the download, the moment can be downloaded it automatically supervivi will NAND flash programmer to start in block 0; the dial switch S2 to "NAND" side of the election optional NAND flash from your system; if the system has good programmer WINCE kernel image file (see manual section 3.3) wait a moment, it will start to see a wince. NBOOT start using the serial port wince information.

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