

Errata for the "Keil Quick Start Tutorial" for the Intel 8x930 4 Port USB Evaluation Board

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This document provides additional information needed to get the Keil C Compiler and the tScope Monitor installed easier. A new document is being developed that will include example sessions. Sample enumeration code for USB is available free from Keil. The following comments refer to the Keil Quick Start Tutorial that comes with the Intel USB evaluation board REV B. This board has 4 USB ports plus 1 upstream port.

Page 4 - The first time μ Vision is run, the Tool Set must be chosen. You must select "Keil 80251 C Compiler V2.x (DLL 1.21)" in the selection window that will open at this time. For succeeding sessions click on File/Tool Set to configure this.

Page 5 - In the Create New Project, you must enter new.prj as shown and select OK. With the evaluation software, the correct path names shown are c:\C251eval\bin. The path shown is for the full version. The file newp.prj will save all your default information and other settings you will select. You can have many different projects to retain these settings.

Page 6 - 1 - Here you are selecting the μ Vision editor to enter the source code on this page.

Page 8 - Do Step 9 on page 9 right after Step 2 on page 8. Otherwise a minor error will result.

Page 9 Step 3 - change *.c to *.asm.

Page 11 Step 3 - ".... Choose Linker". Should bechoose L251 Linker.

Page 12 - The include file reg930ax.inc is not included in the provided disks. This file is available here. Put this file into c:\c251\asm. This .zip file includes the source file from page 6 and my project file new.prj.

Page 12 - μ Vision needs the directory c:\tmp to store files.

Page 12 - Under Options/Linker in the misc folder enter this line in the Class 1 line:

ecode(004000h-00ffffh)

Page 13 - The source code shown in Figure 12 does not get shown yet.

Page 14 - When the Intel board is powered without the serial link to your PC connected - and the reset button is pressed the leds will blink in a pattern then stop. No board jumpers need to be changed from the default. When the serial link is connected and the rism930.dll is selected for the first time, the leds will blink. The Reset button in the tScope Toolbox window will also cause the lights to blink. If you get this far things are working properly.

Page 15 Step 2 - select the file newp....not the .prj file.

Page 15 Step 3 - to see the Command window if not already visible: select View/Command Window. To see the source code, select the Debug window in the same fashion.

You should see the source code in the Debug window. You can single step using the step-into icon. Note that dScope debugger is the Keil software simulator and tScope is the monitor that runs on the target board under RISM. Any other problems ? Anything you want to add ? Just call or Email me.

Thanks

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