USBX

Express Startup Guide for Cortex-M4

ARM GNU

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Purpose. This Express Startup Guide is designed to help you install and use USBX for the Cortex-M4 microprocessor using the GNU development suite. This guide, the ***readme_usbx.txt*** file on the distribution disk, and Chapter 2 of the USBX User Guide contain more detailed information on getting started.

2

Installation. USBX for the Cortex-M4 is distributed on a single CD-ROM compatible disk. The entire source code distribution and ***readme_usbx.txt*** file can be found in the USBX sub-directory. To install USBX on your hard-drive, either run the supplied installer program Setup.exe or copy the distribution from the CD manually. To copy the USBX distribution manually, utilize the same directory ThreadX was installed in (we recommend \threadx\cortex-m4\gnu) and execute the following MS-DOS copy command from the USBX directory on the distribution disk:

```
D:\usbx> xcopy /S *.* C:\threadx\cortex-m4\gnu
(assuming hard-drive is C: and CD-ROM drive is D:)
```

Observe all the USBX source files being copied into your own ThreadX directory.

3

Building USBX. You are now ready to build the USBX run-time library ***ux.a***. You are going to need this library to link with your application in order to use USBX. To build the USBX library, execute the batch file ***build_usbx.bat*** in the ThreadX directory as follows:

C:\threadx\cortex-m4\gnu**build_usbx**

Observe compiling and archiving of USBX objects into the ***ux.a*** library. You are now ready to use USBX with your application!

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Demonstration System. You are now ready to build the USBX Cortex-M4 demonstration that executes on the simulator or hardware. To build the demonstration execute the batch file ***build_usbx_demo.bat*** in the ThreadX directory, as follows:

C:\threadx\cortex-m4\gnu**build_usbx_demo**

Observe compiling and linking of the demonstration. You are now ready to execute the demonstration.

If you have any questions, please don't hesitate to ask us!

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