

Getting Started with NDK 5.7

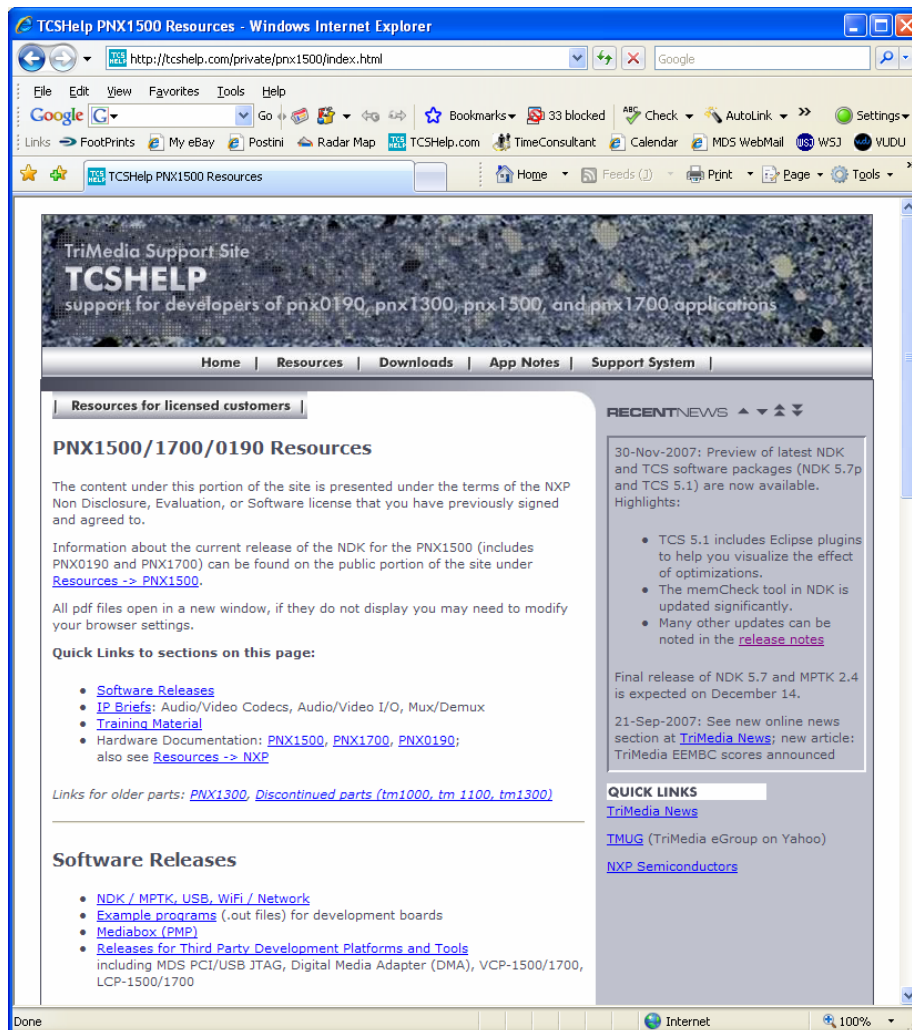
NDK 5.7/MPTK 2.4

12 December 2007

The Nexperia Development tools are normally delivered electronically by download from www.TCSHelp.com. All users of NDK tools are invited and expected to register on the TCSHelp support site. Updates are provided to registered users via this site, and tech support questions are answered through this site.

1 Logging on and Registering

Please do log on and register!



The screenshot shows a Windows Internet Explorer browser window displaying the TCSHelp PNX1500 Resources website. The address bar shows the URL <http://tcs-help.com/private/pnx1500/index.html>. The website header includes the TriMedia Support Site logo and navigation links: Home, Resources, Downloads, App Notes, and Support System. The main content area is titled "Resources for licensed customers" and "PNX1500/1700/0190 Resources". It contains text about the NDK for PNX1500 and PNX1700, a list of quick links to software releases, IP briefs, training material, and hardware documentation. A "RECENT NEWS" section on the right side of the page lists updates from November 2007, including the preview of the latest NDK and TCS software packages (NDK 5.7p and TCS 5.1) and highlights such as Eclipse plugins and the memCheck tool. A "QUICK LINKS" section at the bottom right provides links to TriMedia News, TMUG, and NXP Semiconductors.

1.1 Downloaded Files

By electronic download, NDK 5.7 preview is delivered as six files:

- This file, GettingStartedWithNDK5.7.pdf
- tcs51_Windows.zip
- tcs51_Linux.tgz
- TCS5.1_RelNotes.pdf
- NDK5.7_Installer.exe
- NDK5.7_ReleaseNotes.pdf

If you receive the material on CDs, TCS 5.1 for Linux is omitted.

This document walks you through the installation of the complete package and generally points you in the right direction.

2 For Experienced Users

You already know about reading the release notes. And the **readme** file in the NDK directory lets you know what to expect for the final NDK 5.7/MPTK 2.4 release. The snapshots below are designed to point out the changes to the installer.

2.1 What about Linux?

A Linux version of TCS is available for download from the TCSHelp site. While there are big advantages to using the tools on a Linux machine (the build is faster), the setup of the Linux version of the tools is not as automated and we have to assume that you know what you are doing. The NDK release notes discuss this in more depth.

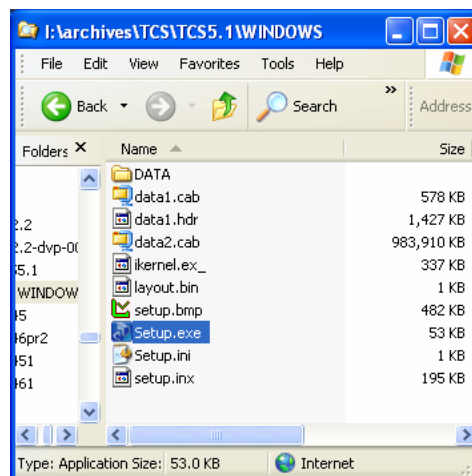
3 For New Users

After you complete the following installation procedure, your system will contain a number of documents that you should know about. A comprehensive set of user documents are provided at **C:\Nexperia\NDK5.7\docs**. Open the PDF gateway file that you find there.

A large set of training slides are delivered with NDK at **C:\Nexperia\NDK5.7\docs\training**. These slides contain much useful material. If you are new to NDK, open up **01_NxpMP_NDK_Dec07.ppt** and work your way through it. This presentation is updated with the NDK 5.7 release.

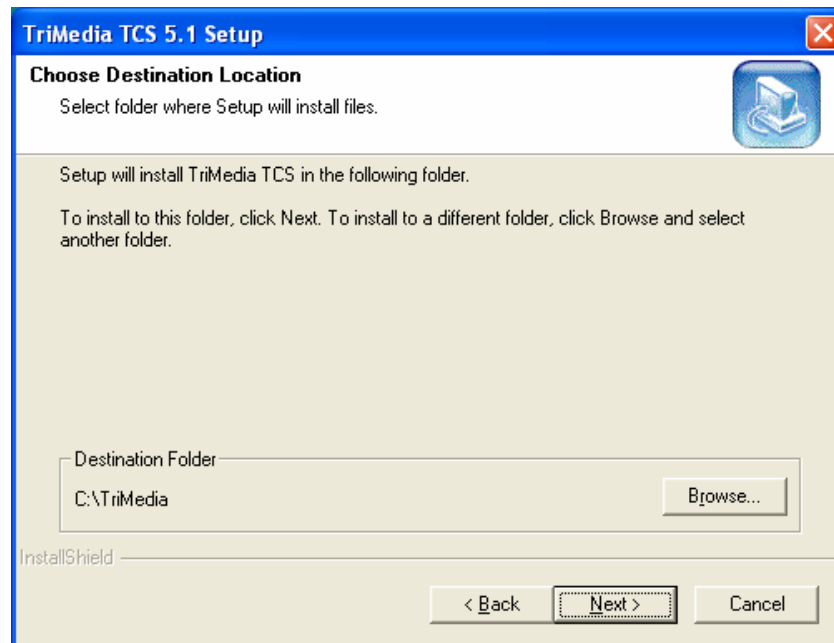
3.1 Installing TCS 5.1 (for Windows)

1. Using the TCS 5.1 CD, find and run `setup.exe`.

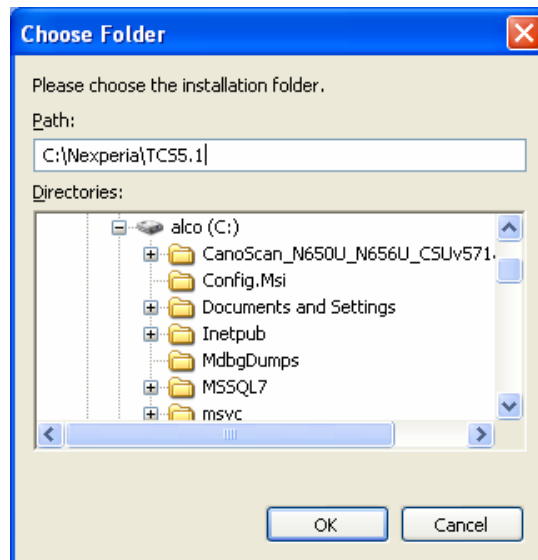


2. Click **run** to ignore the security warning.

- Follow the prompts until you come to the following dialog:



- We suggest you change the installation path to `C:\Nexperia\TCS5.1`.



This path is not required, but this location is what the NDK example scripts expect.

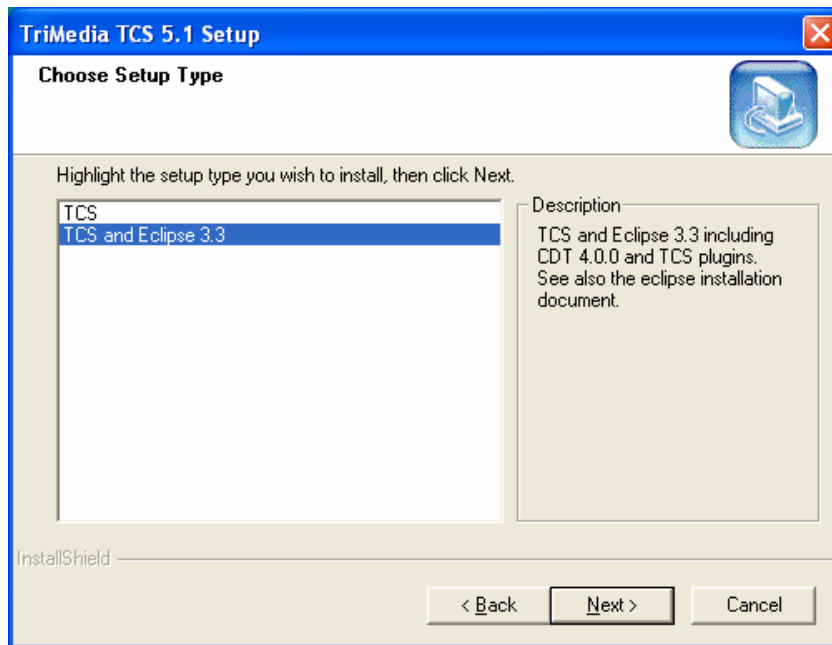
If you choose to install to somewhere else, you can update the scripts. The developers of NDK encourage you to keep all of this code from NXP in a single directory such as `C:\Nexperia`. Placing each release in such a named directory enables multiple versions to co-exist at your workstation, and this often facilitates porting and debugging.

3.1.1 PCI Drivers

The installer offers to install or update the PCI drivers that are required to use a PCI development board under Windows. If you have such a board installed, go ahead and install these drivers.

1. Choose **Eclipse**

The installer asks you whether you want to install Eclipse. For the convenience of those who are not expert in Eclipse, the TCS installer can place a complete Eclipse installation inside of the TCS installation directory. We suggest you install Eclipse.



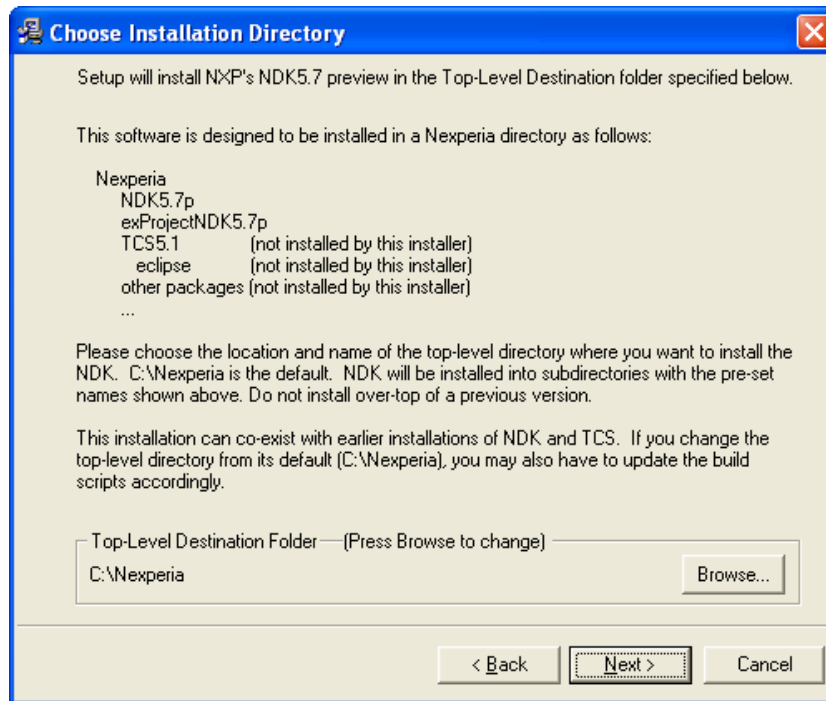
The installer spends a few minutes copying all of the files.

2. Next, the installer asks you whether you want to validate the installation. If you are in a hurry, it's probably OK to skip this. If you have a few minutes, this will compute a checksum on the installation ensuring it is valid.

3.2 Installing NDK 5.7

1. Run the program `NDK5.7_Installer.exe`.

Like TCS, it will ask you where to install. NDK defaults to installing at `C:\Nexperia`.



The above dialog box shows you what this package will install.

2. Click next and continue to the finish.