

XC32 Compiler for PIC32 Book Code Examples

Important Notification on Compiler Setting

In order for the book code examples to compile you must use the appropriate XC32 'C' compiler from Microchip Compiler archive Version 1.0 to Version 2.2 will work. Newer version beyond version 2.2 have eliminated the " PLIB.H" library, a key library for use with book code examples. Microchip did this to accommodate their New Harmony development environment.

You can find the archived compilers from Microchip web site as shown in figure 1. Just download one of these compilers and select them under MPLAB-X Dashboard as the compiler setting for the project. You should be good to go.



The image shows a screenshot of the Microchip website. On the left, the navigation menu includes 'Downloads Archive' which is circled in red. A blue arrow points from this menu item to a table of archived compilers on the right. The table lists various versions of the MPLAB XC32 compiler for different operating systems and dates.

Archived Compilers	
MPLAB XC32	
v1.00 (WIN)	(03/22/12)
v1.00 (Linux)	(03/22/12)
v1.00 (OSX)	(03/22/12)
v1.10 (WIN)	(08/08/12)
v1.10 (Linux)	(08/08/12)
v1.11 (OSX)	(10/04/12)
v1.11 (WIN)	(10/04/12)
v1.11 (Linux)	(10/04/12)
v1.20 (OSX)	(12/07/12)
v1.20 (WIN)	(12/07/12)
v1.20 (Linux)	(12/07/12)
v1.21 (OSX)	(04/22/13)
v1.21 (WIN)	(04/22/13)
v1.21 (Linux)	(04/22/13)
v1.22 (OSX)	(8/19/14)
v1.22 (WIN)	(8/19/14)

Don't select any compiler version greater than 1.22

Figure 1 Accessing Archived Compilers