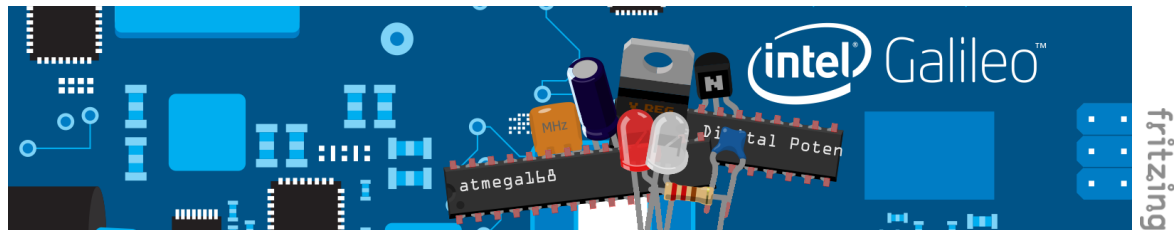


Module 1: Galileo - Getting Started

hadrihl // hadrihilmi@gmail.com

Wednesday November 12th 2014

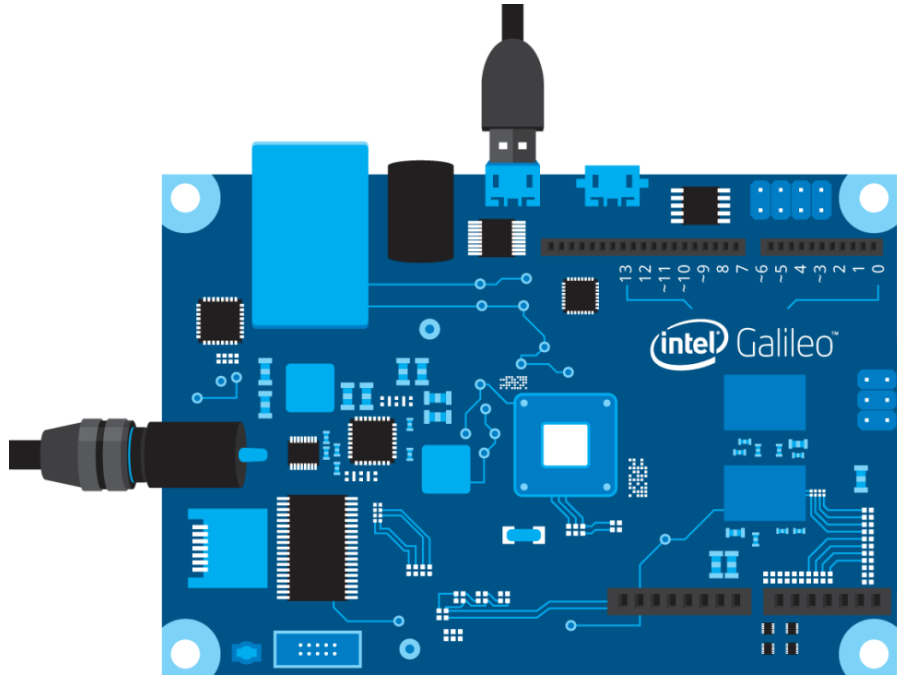
Lab 1 School of Computer Science USM



Parallel & Distributed Computing Center (PDCC), 412-1 Level 4 School of Computer Sciences,
Universiti Sains Malaysia, 11800 USM Pulau Pinang, MALAYSIA. +604 – 653 3888 (Ext: 2319)

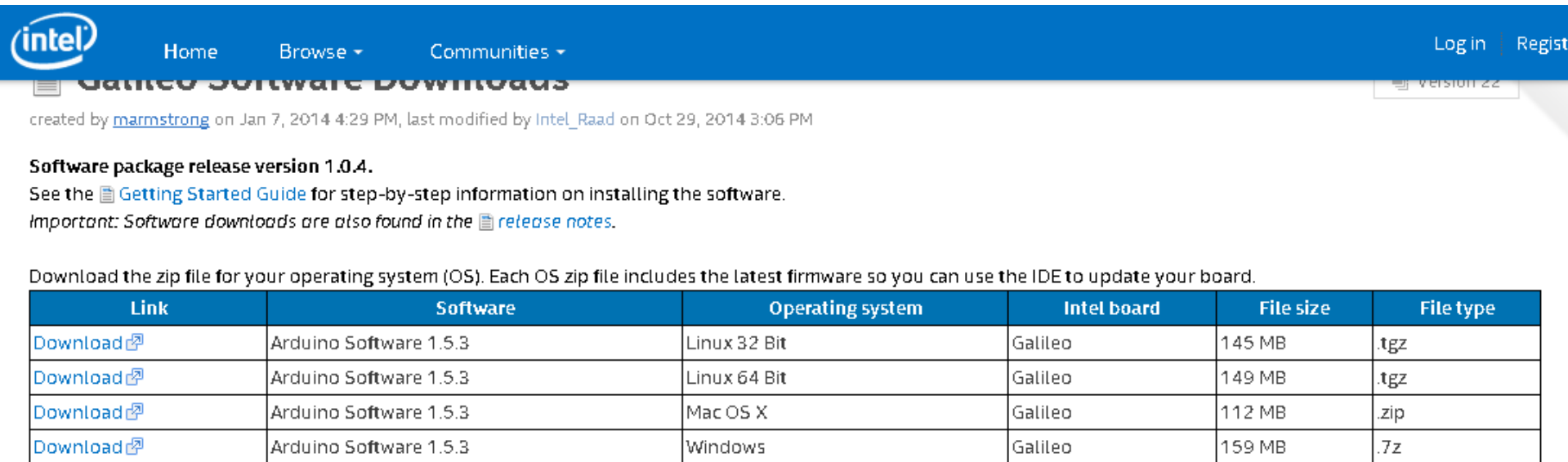
Agenda

- Quick setup and start with Intel Galileo



Download Galileo Software

- <https://communities.intel.com/docs/DOC-22226>



The screenshot shows the Intel Galileo Software Downloads page. At the top is the Intel logo and navigation links: Home, Browse, and Communities. A 'Log in' link is also visible. Below the navigation bar, the page title 'Galileo Software Downloads' is displayed. A note indicates the page was created by 'marmstrong' on Jan 7, 2014, and last modified by 'Intel_Raad' on Oct 29, 2014. The main content area states 'Software package release version 1.0.4.' and provides links to the 'Getting Started Guide' and 'release notes'. A paragraph instructs users to download a zip file for their operating system (OS), noting that each OS zip file includes the latest firmware for the IDE. Below this text is a table with six columns: Link, Software, Operating system, Intel board, File size, and File type. The table lists four download links for Arduino Software 1.5.3, one for each operating system: Linux 32 Bit, Linux 64 Bit, Mac OS X, and Windows. All links point to the same software version (1.5.3) and are for the Galileo board. The file sizes are 145 MB, 149 MB, 112 MB, and 159 MB respectively, and the file types are .tgz, .tgz, .zip, and .7z.

created by [marmstrong](#) on Jan 7, 2014 4:29 PM, last modified by [Intel_Raad](#) on Oct 29, 2014 3:06 PM

Software package release version 1.0.4.

See the [Getting Started Guide](#) for step-by-step information on installing the software.

Important: Software downloads are also found in the [release notes](#).

Download the zip file for your operating system (OS). Each OS zip file includes the latest firmware so you can use the IDE to update your board.

Link	Software	Operating system	Intel board	File size	File type
Download	Arduino Software 1.5.3	Linux 32 Bit	Galileo	145 MB	.tgz
Download	Arduino Software 1.5.3	Linux 64 Bit	Galileo	149 MB	.tgz
Download	Arduino Software 1.5.3	Mac OS X	Galileo	112 MB	.zip
Download	Arduino Software 1.5.3	Windows	Galileo	159 MB	.7z

7zip

- Download and install 7zip

Download

Download 7-Zip for Windows:

7-Zip 9.20 2010-11-18	Type	Windows	Description
Download	.exe	32-bit x86	7-Zip for 32-bit Windows
Download	.msi		
Download	.msi	64-bit x64	7-Zip for 64-bit Windows x64 (Intel 64 or AMD64)
Download	.msi	IA-64	7-Zip for IA-64 Itanium CPU
Download	.exe	ARM	7-Zip for Windows Mobile / Windows CE (ARM)
Download	.zip	32-bit	7-Zip Command Line Version
Download	.tar.bz2	Any	7-Zip Source code
Download	.7z	32-bit	7z Library, SFXs for installers, Plugin for FAR Manager
Download	.tar.bz2	Any	LZMA SDK (C, C++, C#, Java)



[Home](#)
[7z Format](#)
[LZMA SDK](#)
[Download](#)
[FAQ](#)
[Support](#)
[Links](#)

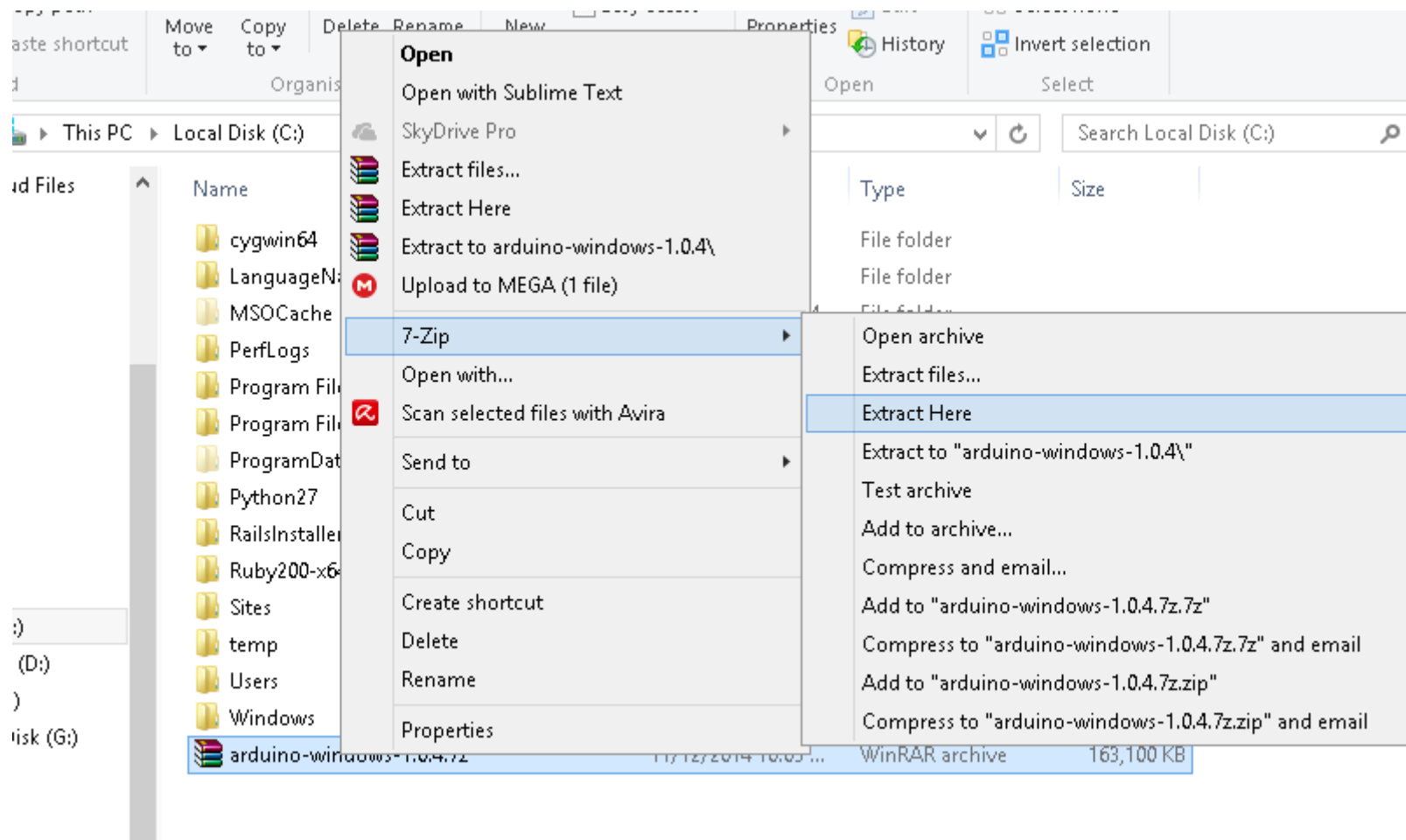
[Donate](#)



English
Afrikaans

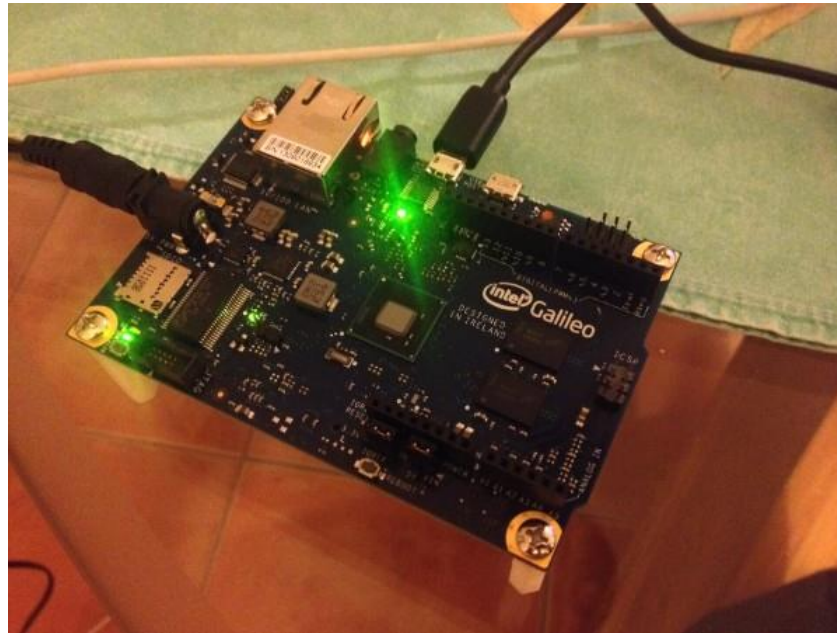
Unzip Galileo Software

- Put in C:/



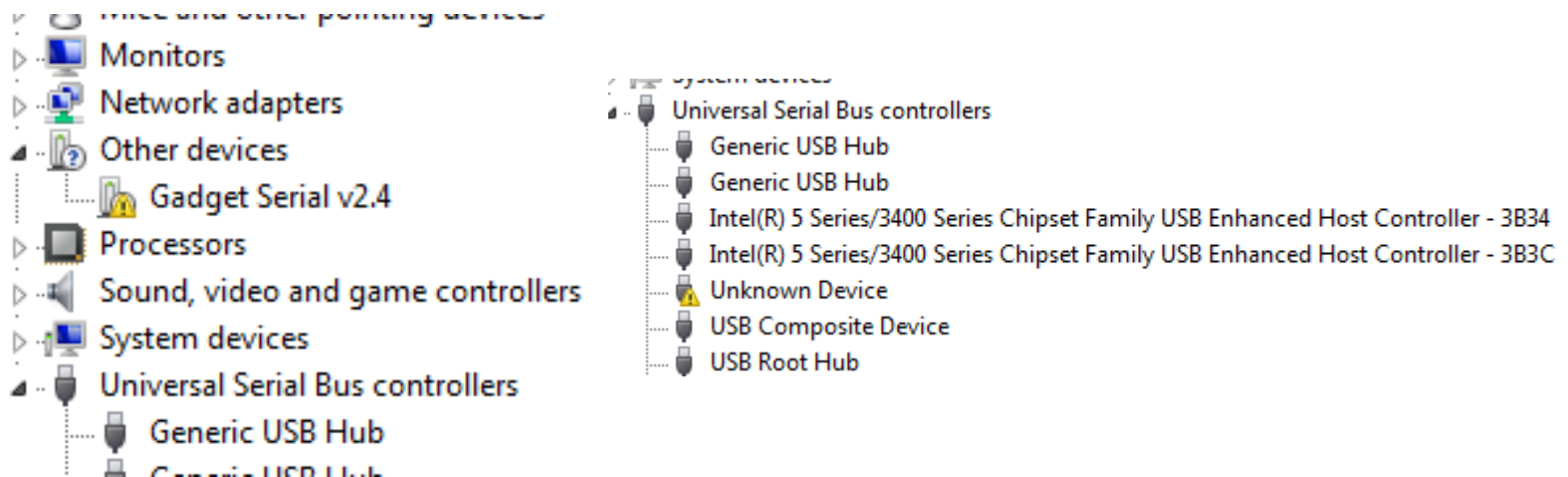
Getting Started

- Plug the power cord to Galileo board
- Connect the USB cable to PC, and Micro USB to client port



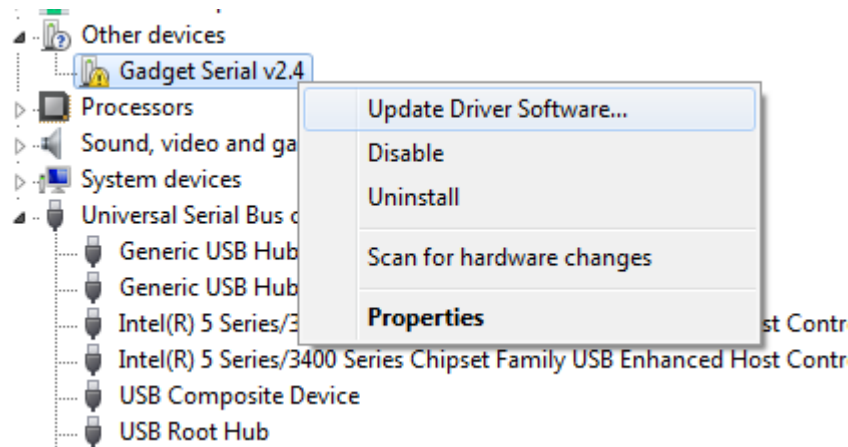
Getting Started (cont.)

- Check Device Manager for Galileo connection



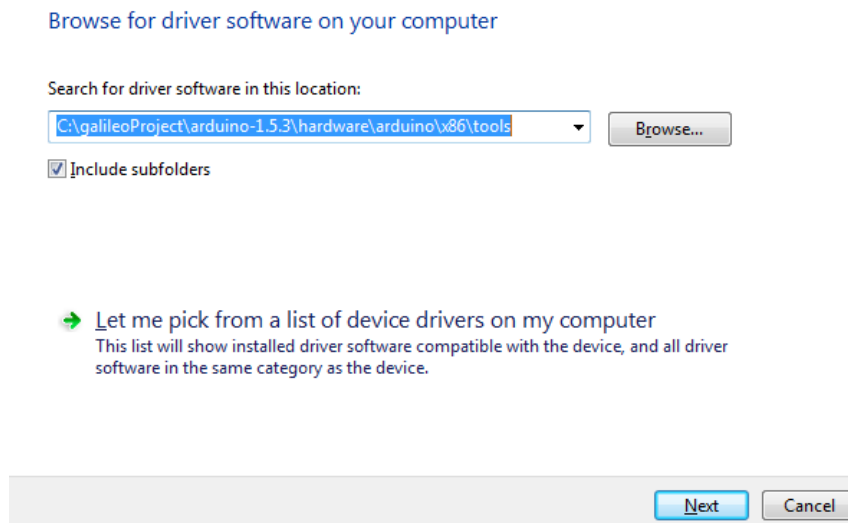
Getting Started (cont.)

- Right click on Gadget Serial v2.4, click “Update Driver Software”



Getting Started (cont.)

- Click “Browse my computer for driver software”
- Navigate to the `C:\arduino-1.5.3-Intel.1.0.4\drivers` directory. This will allow the proper driver file `linux-cdc-acm.inf` to be installed. Click “next” and wait for the driver installation to complete.



Getting Started (cont.)

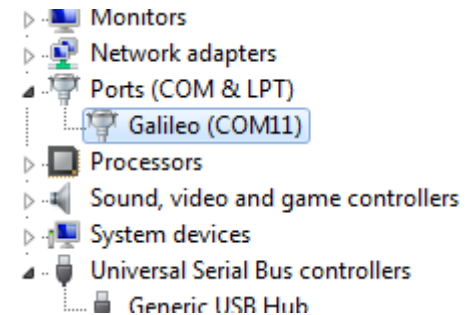
- Successful driver installation

Windows has successfully updated your driver software

Windows has finished installing the driver software for this device:

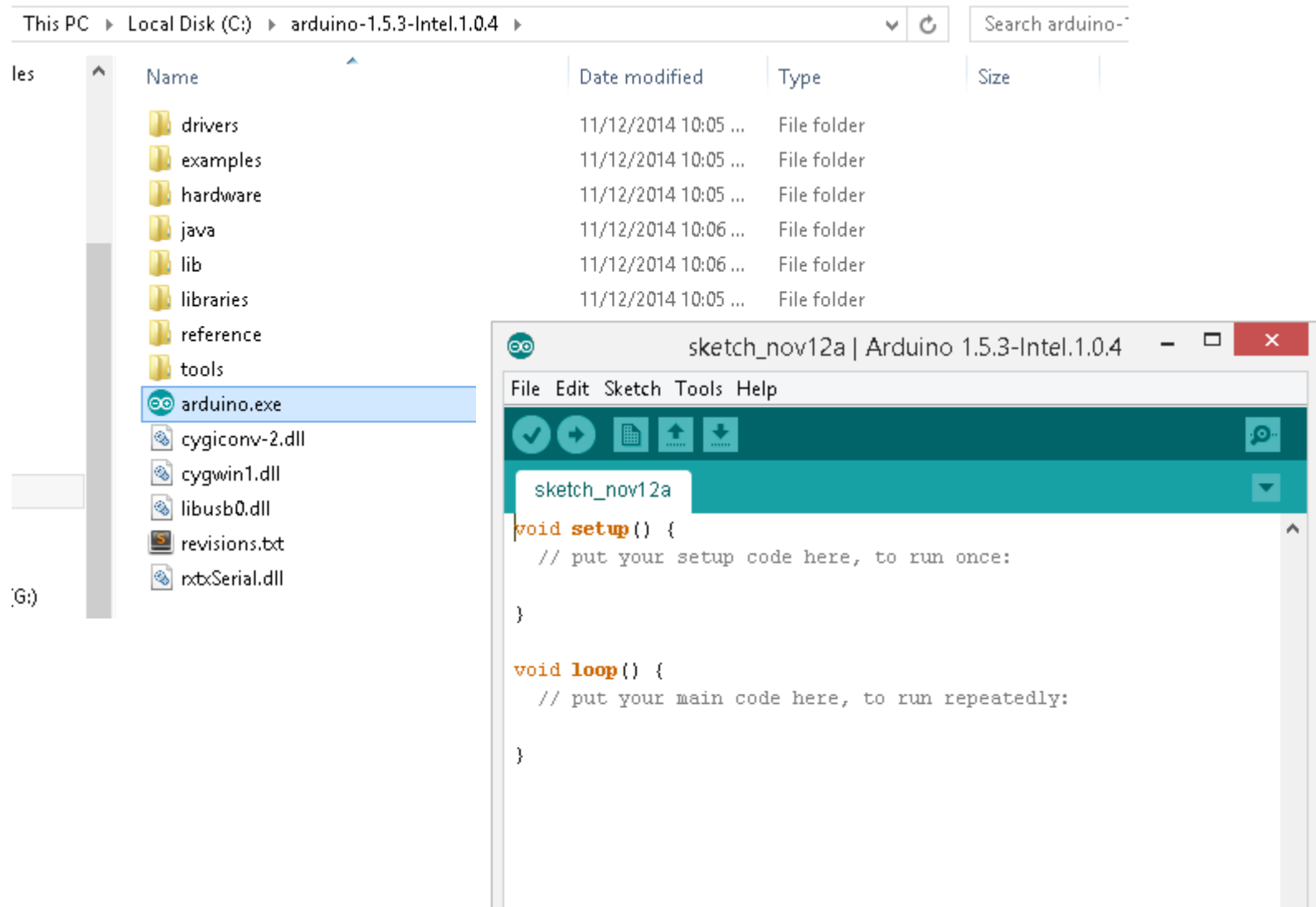


Galileo



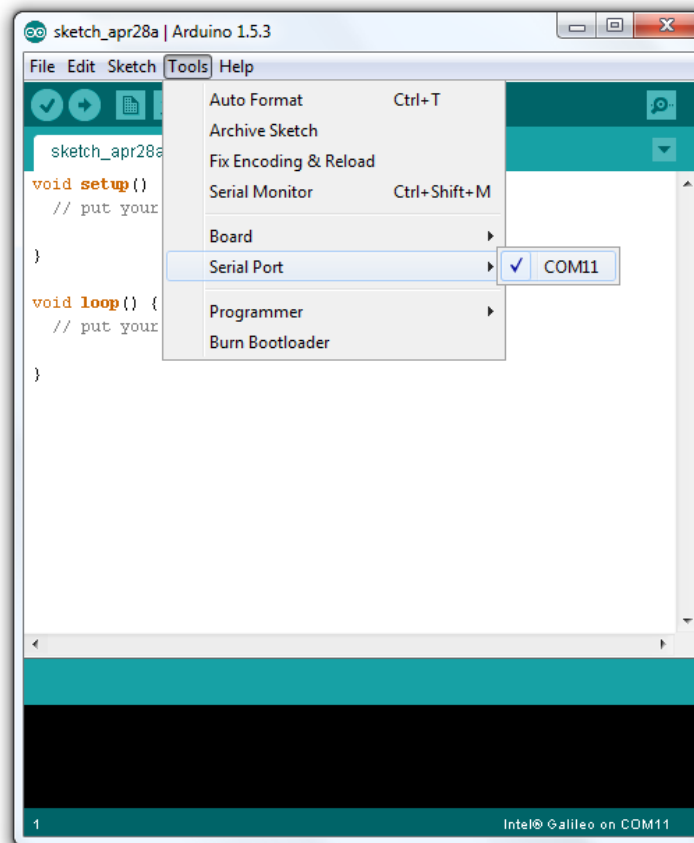
Close

Launch Arduino IDE



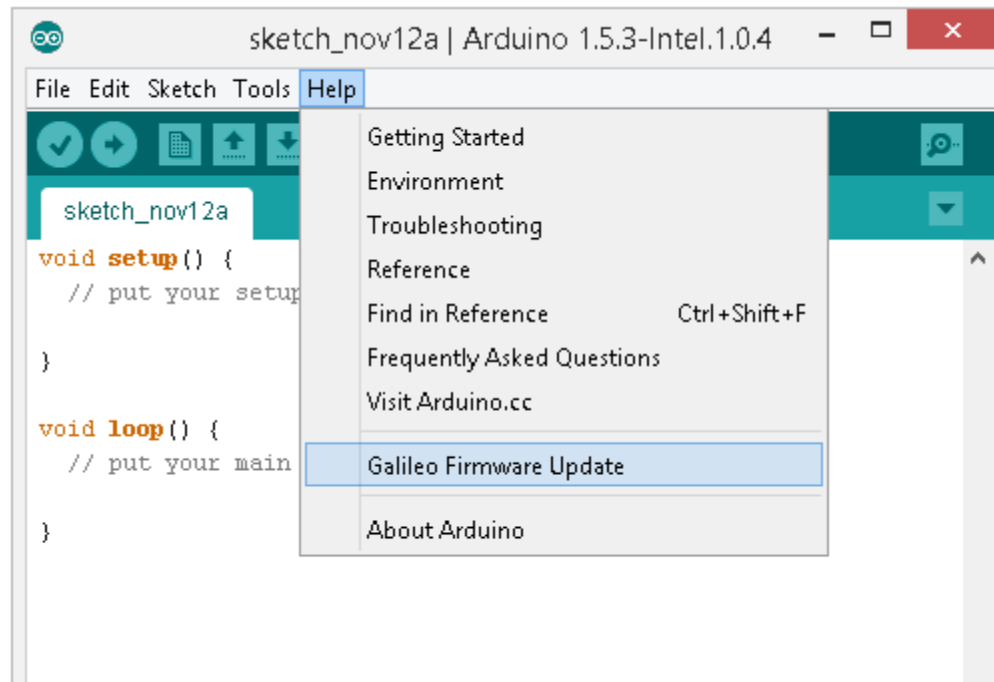
Getting Started (cont)

- Verify port and choose correct board



Update Firmware

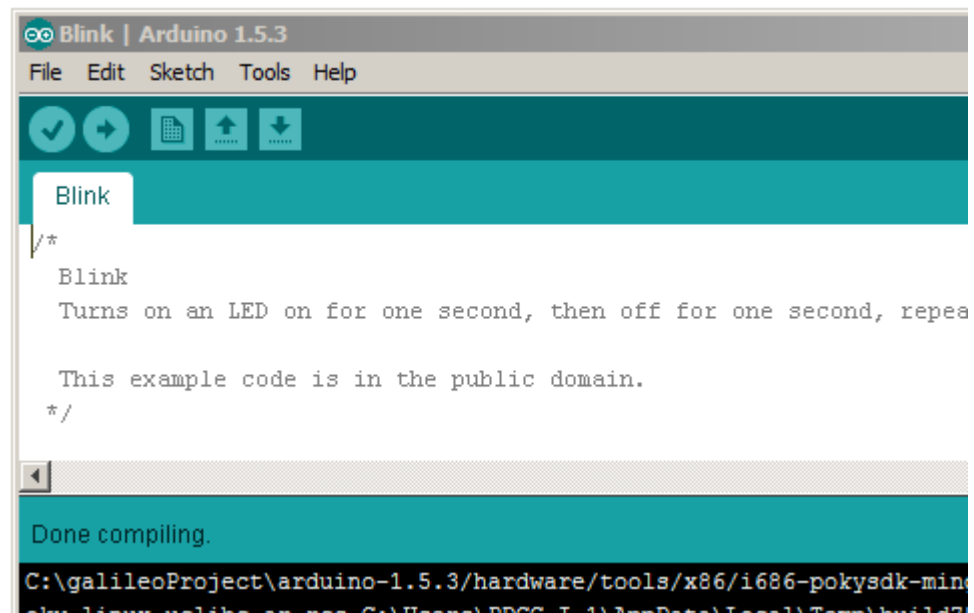
- This will take up to 5 minutes



* We encourage you to perform firmware update.

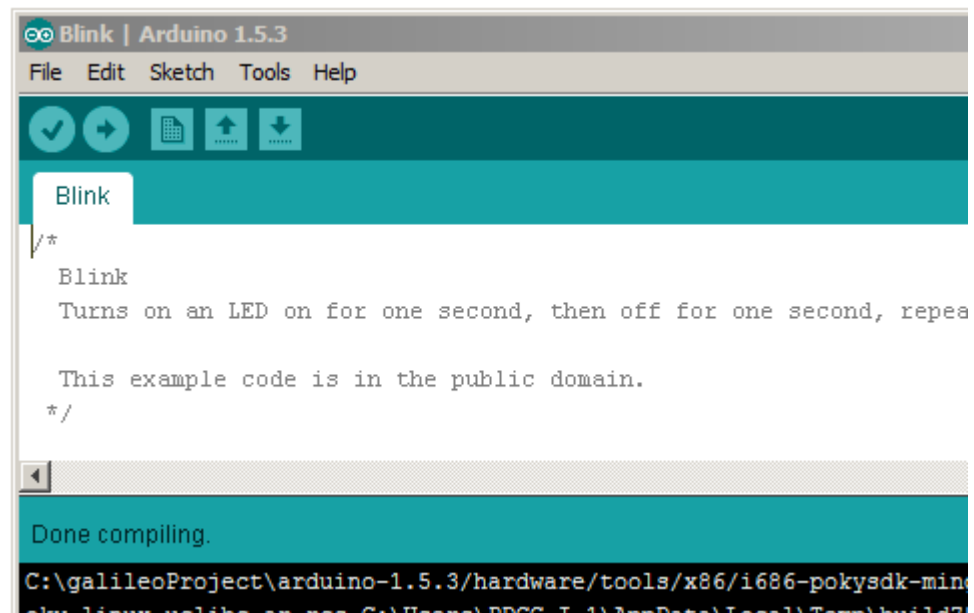
Getting Started (cont)

- Open Blink sketch example
 - Menu: File > Examples > 01.Basic > Blink



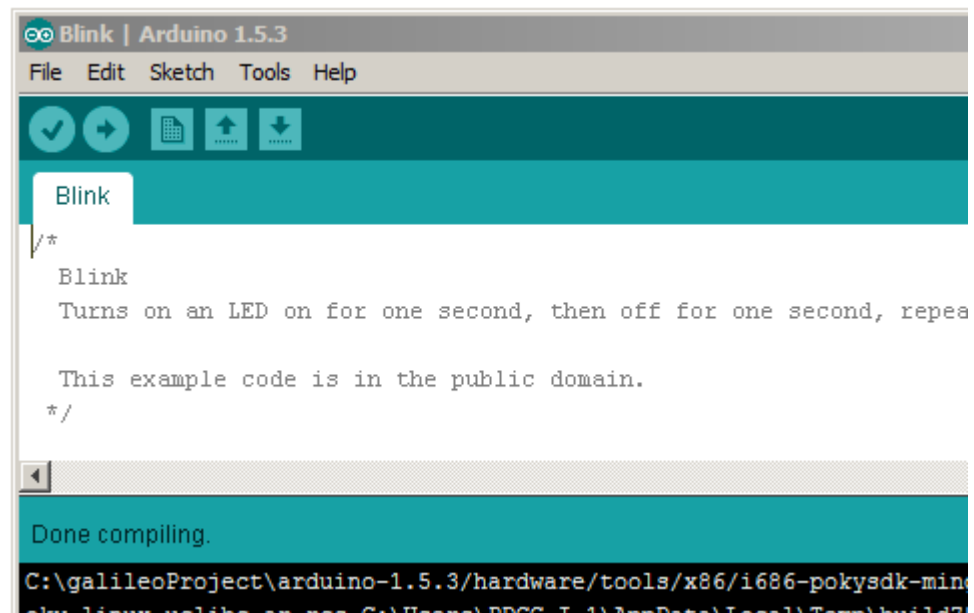
Getting Started (cont)

- Compile Blink sketch example
 - Click verify ✓



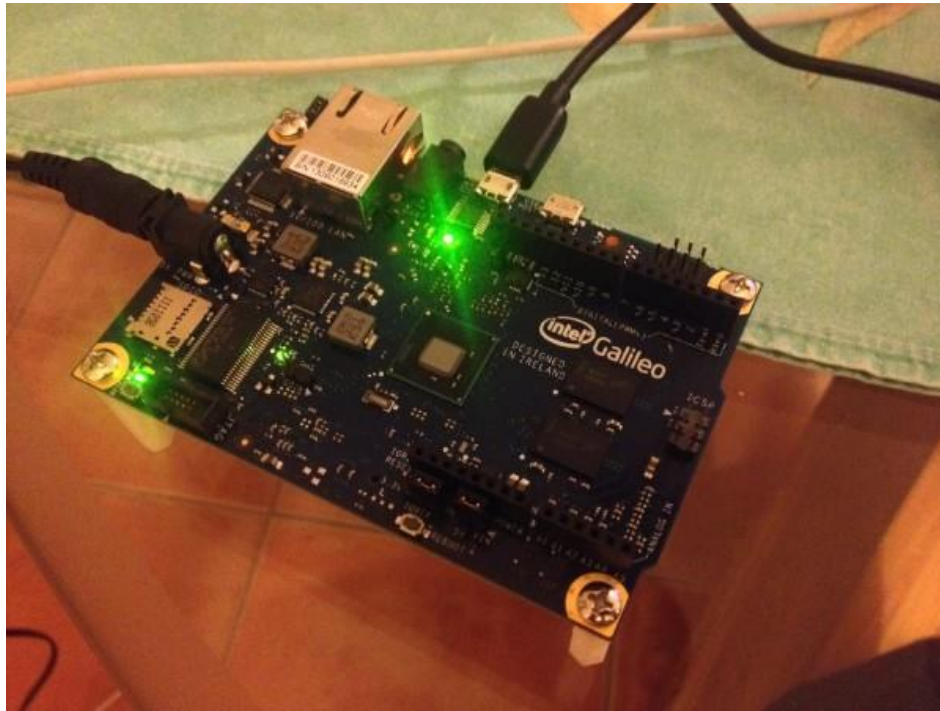
Getting Started (cont)

- Upload Blink sketch example
 - Click upload ➡

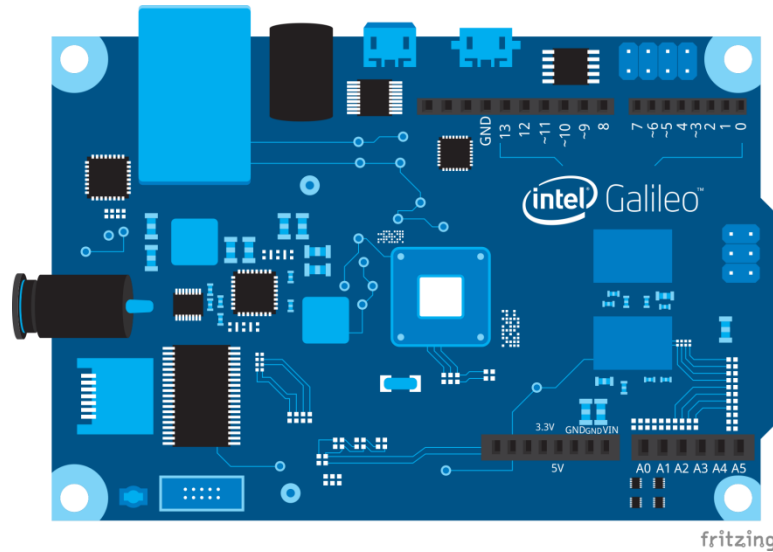


Getting Started (cont)

- LED blinks



End



Intel Galileo® : What will you make?

Reference(s)

- Galileo_GettingStarted_329685_005.pdf
 - <https://communities.intel.com/docs/DOC-22204>