

01-Hardware

Introduction

The concepts here will give you a very basic introduction to the computer and the hardware components it consists of.

Purpose

The concepts are important to understand when programming in C and when getting familiar with Arduino which will be introduced and used later on in the course.

Requirements

No requirements

Videos

- [Computer/Hardware/Hardware-small.webm](#)

Reading instructions

It is recommended to read the introductory part of the following Wikipedia articles:

- http://en.wikipedia.org/wiki/Central_processing_unit
- http://en.wikipedia.org/wiki/Computer_memory
- <http://en.wikipedia.org/wiki/Peripheral>
- http://en.wikipedia.org/wiki/Serial_communication
- <http://en.wikipedia.org/wiki/USB>
- http://en.wikipedia.org/wiki/Hard_disk_drive
- http://en.wikipedia.org/wiki/Computer_network

Extra reading:

- http://en.wikipedia.org/wiki/Parallel_communication

Goal

Provide a basic understanding of a computer's hardware. This will serve as a foundation for the coming lectures.

Exam instructions

None of the topics in this lecture will be examined.