

W25Q... Driver

Abstract

This paper describes a simple driver for the W25Q... family of flash memory chips. The focus is on the easy of use of the device and offers flexible way access to the contents of the flash memory.

It should be easy to get data from the memory or writing data to the memory using the C++ index operator.

For example, one should be able to write:

```
for (int i = 0; i < 128; ++i)
{
    memory[i] += 1;
}
```

To increment the first 128 words in memory by 1.

All low level handling of the flash memory, like using an SPI interface or any other interface, writing and writing pages to and from the flash memory, erasing sectors when required and optimising flash memory access using a cache in RAM.

<https://github.com/dirkjtantele/CasualNoises>