libftdi1 1.2

libftdi API documentation

Library to talk to FTDI chips. You find the latest versions of libftdi at http://www.intra2net.com/en/developer/libftdi/

The library is easy to use. Have a look at this short example:

```
/* simple.c

   Simple libftdi usage example

   This program is distributed under the GPL, version 2
*/

#include <stdio.h>
#include <stdlib.h>
#include <ftdi.h>

int main(void)
{
    int ret;
    struct ftdi_context *ftdi;
    struct ftdi_version_info version;
    if ((ftdi = ftdi_new()) == 0)
```

```
    {
        fprintf(stderr, "ftdi_new failed\n");
        return EXIT_FAILURE;
    }

    version = ftdi_get_library_version();
    printf("Initialized libftdi %s (major: %d, minor: %d, micro: %d, snapshot ver: %s)\n",
        version.version_str, version.major, version.minor, version.micro,
        version.snapshot_str);

    if ((ret = ftdi_usb_open(ftdi, 0x0403, 0x6001)) < 0)
    {
        fprintf(stderr, "unable to open ftdi device: %d (%s)\n", ret,
       ftdi_get_error_string(ftdi));
        ftdi_free(ftdi);
        return EXIT_FAILURE;
    }

    // Read out FTDIChip-ID of R type chips
    if (ftdi->type == TYPE_R)
    {
        unsigned int chipid;
        printf("ftdi_read_chipid: %d\n", ftdi_read_chipid(ftdi, &chipid));
        printf("FTDI chipid: %X\n", chipid);
    }

    if ((ret = ftdi_usb_close(ftdi)) < 0)
    {
        fprintf(stderr, "unable to close ftdi device: %d (%s)\n", ret,
       ftdi_get_error_string(ftdi));
        ftdi_free(ftdi);
        return EXIT_FAILURE;
    }

    ftdi_free(ftdi);

    return EXIT_SUCCESS;
}
```

More examples can be found in the "examples" directory.