SIMPlugIN-SD, ETHERNET100, USB support files

The support files present an implementation example of SIMPlugIN-SD, SIMPlugIN-ETHERNET100 and SIMPlugIN-USB board. It is just an example so it does not come with any warranty whatsoever. It is just a quick made example to demonstrate functionality of the board.

For the time beeing no source code is given for this test.

To use the present example you must connect in SIMPlugIN-LX45 base board the following:
        SIMPlugIN-ETHERNET100   in CON9
        SIMPlugIN-USBI   in CON8
        SIMPlugIN-SD   in CON7

SIMPlugIN-LX45 should be have its jumpers in the default position.

You must use a miniUSB cable to connect CON13 of SIMPlugIN-LX45 to a PC running Hyperterminal.

In Hyperterminal you must configure 19200 baud, 8 bits, no parity, 1 stop bit. Also you must configure in settings – ASCII setup and tick ON the following: "Send lineds with line feeds" and "Echo typed characters locally".

The supplied file flash_tests_0a.hex must be programmend in the SPI flash memory of SIMPlugIN-LX45 board.

After restarting the board you should see in Hyperterminal

```
Tests SIMPlugIN

***********************************************************
Select one of the following commands:
        1) test_network
        2) test_usb
        3) test_sd
        4) test_switches
        5) test_leds
        6) test_buttons
***********************************************************
```

Note: some times, before that you will get some debuggin messages that you should disregard. For example you could get:

```
        É…‰…©½¹rrj¤üReintento...Sec->00000000 Fall->00000000
MGOKT
MGOKT
MGOKT
MGEND
```


Using the keyboard you select the desired test.

1) Ethernet
In the ethernet test you will have to connect a PC with ethernet cable since you will have test send ping to SIMPlugIN. You can select an IP address for SIMPlugIN that does not conflict with your private network.

2) USB
In the ethernet test you will have to connect a PC with miniUSB cable.
You will see that a new USB HUB appears in your PC.

For instance in Windows XP in SYSTEM-Hardware-Device administrator you will see that when plugin SIMPlugIN setup a new USB HUB appears. Selecting properties of this new devices and then details you should see something like

USB\VID_1D6B&PID_0108\6&2A00A381&0&1

3) SD
Insert a flash SD memory card and then run the test.

IMPORTANT: contents of the SD memory card will be ERASED.

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