





FEATURES:

- MCU: **LPC2478**
- LCD 3.5" 320x240 24bit color TFT color with backlight and touchscreen
- MP3 decoder DSP + codec VS1002D
- 3-axis digital accelerometer with 11 bit accuracy
- 64MB SDRAM
- USB host connector
- USB device connector
- IrDA transceiver (optional)
- MICTOR trace connector (optional)
- PS2 keyboard connector

- 100Mbit Ethernet
- CAN driver and connector
- RS232 with ICSP control
- SD/MMC card connector
- JTAG connector
- (optional) MICTOR TRACE connector
- Reset button and circuit
- 2 buttons
- 1 trimpot
- UEXT connector
- Audio IN
- Audio OUT
- RTC battery
- FR-4, 1.5 mm, red soldermask, component print
- Dimensions:134.6x101.6mm (5.3 x 4.0")

DOCUMENTS:

- [LPC-2478.pdf](#) - users manual
- [LPC-2478STK ucLinux release notes](#)
- [LCD datasheet](#)
- [LCD video controller IC](#) datasheet

HARDWARE:

- [LPC-2478STK schematic](#)

SOFTWARE:

- Uboot pre-loaded and uCLinux sources and binaries on CD
- [uCLinux-dist-lpc_2478_stk-fixA.patch.bz2](#) Fix for uCLinux from the initial revision of the LPC-2478-STK CD. Adds a fbtest example to the distribution and fixes kernel configuration.
- [SDRAM initialization memory fix patch](#) for the very first lot of boards the SDRAM was not initialized correctly
- [LPC2478-STK demo](#) code for EW-ARM 5.20 note that this will overwrite the Uboot image in the internal flash and you have to restore it later with the instructions from the CD
- LPC2478-STK EW-ARM code bundle: (USB AudioDevice, LCD demo, Mass storage, TouchDemo, uip web server, USB_Host_Demo, USBMouse, Virtual COM)