

SHIELD-LCD16x2



Arduino-compatible I2C/UART LCD shield with 16x2 display with backlight and 4 buttons, Arduino library and demo examples. Accepts commands by I2C(default) or UART.

FEATURES

- 2-row display with 16 character on each row
- Backlight
- 4 tactile buttons
- PIC16F722A microcontroller with built-in custom firmware
- I2C or UART control
- Fits Arduino and Arduino-like shield layout connectors
- Fits 0.1 inch breadboards
- Pads for ICSP, UEXT, GPIO access and additional quartz crystals are provided (no connectors)
- Power consumption: 0.15W
- Operating temperature 0-50C

DOCUMENTS

- [Firmware description](#)
- [Display controller datasheet](#)
- [SHIELD-LCD16X2 European Declaration of Conformity](#)
- [SHIELD-LCD16x2 UKCA Declaration of Conformity](#)

HARDWARE

- [Board's schematic in PDF format](#)
- [ICSP programming layout](#)
- [Eagle design files](#)
- [Board dimensions](#)

SOFTWARE

- [default SHIELD-LCD16x2 firmware source code](#)
- [This shield is supported by Arudino IDE library for OLIMEXINO boards](#)
- [OLIMEXINO-328 + SHIELD-LCD16x2](#) - a library and set of demo examples
- [OLIMEXINO-STM32 and SHIELD-LCD16x2](#) - refer to the readme inside of the archive