ezLCD|OEM

ezLCD-304
4.3" Smart, Touch LCD

Get your prototype up and running in hours, not days!

Introducing the third generation, intelligent, all-in-one, touchscreen "ezLCD" technology.

The ezLCD-304 is a highly functional, very flexible, cost effective alternative to buttons, switches, character modules, STN displays, or more complex graphical touch displays.

Its simple ASCII command driven operation with a free serial terminal program (included) helps to kickstart your GUI project.

Written in EarthSEMPL language (Simple Embedded Macro Programming Language), the command set is easy to use and intuitive.

The ezLCD-304 includes a multitude of fonts, images, and sample macros. Additionally, the following widgets are included: analog meter, buttons, checkbox, dial, radio button, slider, and more.

The ezLCD-304 interfaces with any micro-controller, including Arduino, and can be easily programmed via a USB development cable (sold separately) and your own computer!

Quantity pricing available.

Product Specifications

- 4.3" color TFT LCD
- 480 x 272 resolution
- 65,536 colors (16-bit)
- 400 nits brightness - LED backlight
- 500:1 contrast ratio
- Integrated four-wire resistive touchscreen
- Powerful 16-bit micro-controller
- 4 Mbytes flash memory for storing fonts, bitmaps, and macros
- USB 2.0 and Serial TTL interfaces
- Overall outline dimensions: 5.31 x 2.91 x .815 inches
- 3.3V operating voltage
- Extremely low power - draws less than 100mA
- -20 to 70C operating temperature
- RoHS compliant
- EarthSEMPL (Simple Embedded Macro Programming Language)
- Operating systems: Windows 7, XP, Linux, and OSX
- Use as a graphic client or as a stand alone controller
- Options: USB development cable, panel mount bezel, engineering development kit

OPTIONS:

USB Cable - CBL-5PMINIUSB/TYPEA2.0-6'
USB type-A male / mini-B male cable, 5-pin, black, 6 ft

Engineering Development Kit – ezLCD-304-DK
kit includes: EDK board, two USB 2.0 to mini USB cables, 3.7v lithium battery, standoffs, jumper shunts, screwdriver

- I2C temperature sensor
- I2C ambient light sensor
- 3.7v lithium battery support: charger, two connectors, power switch
- Piezo buzzer and external buzzer connector
- LED drivers
- RS-232 (DB9) interface
- RS-485 interface
- I2C memory pad provisions
- USB to serial bridge with mini USB connector
- 40-pin interface jumper matrix
- Reset button
- 10-pin terminal block with LED indicators
- 10-pin terminal block for RS-232, RS-485, I2C hardwire connection
- Built-in 10:1 voltage divider
- Voltage and current measurement

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