

## ezLCD-313

3.5" Smart, Touch, **Transflective** LCD



### Amazing Readability for Indoor and Outdoor Applications

Third generation, intelligent, all-in-one, transflective touchscreen ezLCD technology.

Highly functional, very flexible, cost-effective alternative to buttons, switches, character modules, STN displays, or more complex graphical reflective touch displays.

Suitable for just about any indoor or outdoor, high ambient light applications including: ATM, kiosk, gasoline pump, cockpit avionics, nautical, GPS, portable outdoor instrumentation, robotics, automotive, security system, recreational vehicles, solar, and much more!

Simple programming with our ASCII command-driven operation using our free serial terminal program. EarthSEMPL Language (Simple Embedded Macro Programming Language).

A multitude of fonts, images, and sample macros are pre-packaged for a quick start. Widgets include: analog meter, buttons, checkbox, dial, radio button, slider, and more!

Works with any micro-controller, including Arduino!

**OEM Quantity pricing available.**

### Product Specifications

- 3.5" Color, **Transflective** TFT LCD
- 320 x 240 resolution
- 65,000 colors
- LED backlight - 80 nit brightness
- Integrated four-wire resistive touchscreen
- Powerful 16 bit microcontroller
- 4 Mbytes flash memory for storing fonts, bitmaps, and macros
- USB 2.0 and serial TTL interfaces
- Flush-mount sheet metal mounting bracket
- Overall dimensions: 4.08 x 2.51 x .86
- Perfect for indoor or outdoor applications
- 3.3V operating voltage
- Extremely low power - draws less than 180mA
- -20 to +60C operating temperature
- RoHS compliant
- EarthSEMPL (simple embedded macro programming language)
- Windows 7, XP, Linux, and OSX operating system compatible
- Use as a graphic client or as a stand alone controller

### Options

- USB development / programming cable
- Development Kit

### Development Kit

-DK includes:

- ezLCD-313 all-in-one touch module
- ezLCD-30x-EDK board
- Two USB 2.0 to Mini USB cables
- 3.7v lithium battery
- Jumper shunts
- Screwdriver
- Standoffs



*shown: ezLCD-301-DK*

### Configurations

ezLCD-313 – Production unit

ezLCD-313-DK – Development Kit

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