



## EA-LCD-003

### 2.8 inch QVGA OLED Color Display



Embedded Artists' **2.8 inch QVGA OLED Display with touch screen** lets you explore the new Organic Light Emitting Diode (OLED) technology. OLED displays have better viewing angle, contrast, and brightness than LCD displays.

The interface to this display can be directly to an external 8-bit or 16-bit memory bus or it can just as well be an emulated GPIO bus from processors without external memory interface. A serial (SPI-like) interface and a RGB interface is also present.

A simple 2x20 pin list plus 1x6 pin list (2.54mm pitch) is used to interface the display.

Integrated display controller with embedded display RAM. The display is also equipped with a **touch screen**.

A small graphical library for the display, with basic drawing operations, can be downloaded from our support page after purchase of the display.

- 8-bit or 16-bit parallel interface. Only occupies 2 addresses (i.e., one address pin).
- or serial 8-bit (SPI-like) interface (up to 7.5 MHz clock)
- Diagonal size: 2.83inch
- Display technology: Active Matrix (AMOLED)
- No of pixels: 240xRGBx320 (QVGA size)
- Supply voltage: 2.5-3.3V
- View area: 43.2 x 57.6 mm
- Pixel size: 0.060 x 0.180 mm
- Operating temperature: -20 to + 60 degrees Celsius
- No of colors: 262K (if 18-bit mode), 65k (if 16-bit mode)
- 2x20 + 1x6 pin list (100 mil spacing) is required to interface the module
- 93x83 mm module size