

## 8.4" Display Module

This module makes integration easy. Each unit comes with an LCD, controller board, backlight driver, and touch screen, integrated and ready to go. The module form factor is designed to ensure long-term product availability.

The 8.4-inch unit features:

- Wide viewing angle TFT panel.
- Designed especially for medical and industrial equipment.
- Available with or without resistive touch.
- SD memory card slot for added flexibility.
- Incorporates NEC industrial panel designed for applications that demand long availability.
- Steel mounting bracket makes display easy to mount.
- Powered by the SLCD5+ controller.

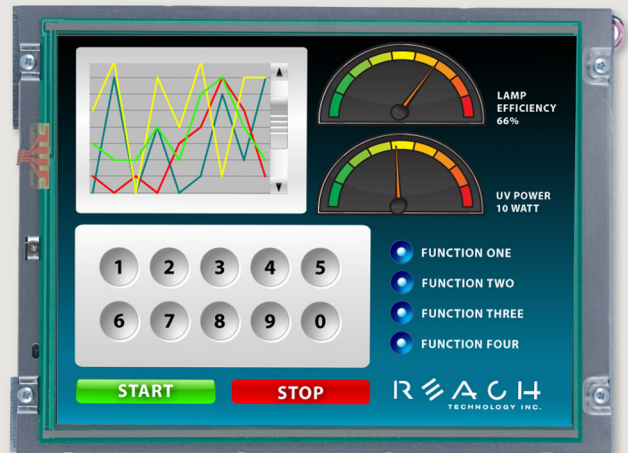
Download mechanical drawings, panel specifications, controller and software reference manuals, and other resources at [reachtech.com/support/product-specific-documentation/51-0103-31](http://reachtech.com/support/product-specific-documentation/51-0103-31).

### Get Started with a Development Kit

To get started with a 8.4" development kit order product number 52-0104-31 which includes module, cables, sample images, sample code, power supply, and technical support.

Visit our [Evaluate | How Can I Get Started?](#) web page, call 408-754-4176, or email [sales@reachtech.com](mailto:sales@reachtech.com) for more information or to place an order.

Reach Technology, a Novanta company, reserves the right to make changes in design or specification at any time and without notice.



8.4-inch Display Module front view

### Product Specifications

<b>Product Part Number</b>	51-0103-31
<b>Reach Board Model</b>	SLCD5+
<b>Display Manufacturer</b>	NEC
<b>Display Size and Type</b>	8.4" TFT
<b>Horizontal Viewing Angle (degrees)</b>	160 (typ.)
<b>Vertical Viewing Angle (degrees)</b>	80 (Top) 60 (Bottom) (typ.)
<b>Dimensions</b>	8.10" W x 5.99" H x 1.28" D
<b>Resolution</b>	VGA, 640x480, 16-bit
<b>Orientation</b>	Landscape
<b>Display Brightness (cd/m2)</b>	800 (typ.), with touch
<b>Touch Panel Type</b>	Resistive
<b>Operating Temperature</b>	-20°C to 70°C
<b>Storage Temperature</b>	-30°C to 70°C
<b>Power Supply Voltage</b>	12VDC±10%
<b>Current Requirement</b>	900mA max.
<b>Interface Connector</b>	Molex 53261 series
<b>Serial Interface</b>	RS232 / RS422* / 3.3V CMOS
<b>Backlight Display</b>	LED
<b>Number of Serial Ports</b>	2
<b>USB Port</b>	No
<b>SD Card Slot</b>	Yes
<b>Microprocessor</b>	266MHz ARM
<b>User Flash Memory</b>	28MB
<b>Sound</b>	Audio Beeper
<b>RoHS 2</b>	Yes

\* Manufacturing Option Only