

## 8.4" SLCD5+

Part Number: 51-0103-31

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. Powered by the SLCD5+ controller it features:

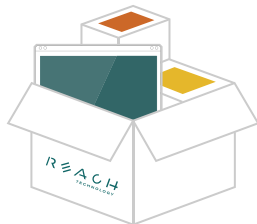
- One RS232 and one RS485/RS422 serial port.
- 266MHz ARM Processor. 28MB highly reliable NOR data Flash for user downloadable bitmaps with optional RLE compression. SD memory card slot for added flexibility. Audio beeper.
- Industrial panel with resistive touchscreen.
- Designed for long-term availability with a 10+ year processor life and a multi-sourced, industry standard LCD form factor.
- ESD and EMC results available to ease regulatory compliance testing.

Download mechanical drawings, panel specifications, controller and software reference manuals, and more at [reachtech.com/products/touchscreen-display-modules/8-4-modules/51-0103-31/](http://reachtech.com/products/touchscreen-display-modules/8-4-modules/51-0103-31/).

### Start with a Development Kit

Development Kits include everything you need to create a prototype quickly. When you are ready, move smoothly into production with off-the-shelf display modules that offer 5-7 years availability as a minimum.

Order Part Number [52-0104-31](http://reachtech.com/products/development-kits/52-0104-31/) which includes module, cables, sample images, sample code, power supply, and technical support. Call 503-675-6464, or email [sales@reachtech.com](mailto:sales@reachtech.com) for more information or to order.



### SLCD5+ Controller

- CPU: 266MHz ARM9 Processor
- Storage Capacity: 28MB highly reliable NOR data Flash for user downloadable bitmaps with optional RLE compression. SD memory card slot for added flexibility.
- I/O Interface: One RS232 port, and one port that can be RS232 or 3.3v CMOS, or converted to RS422 as a manufacturing option.
- Audio: Beeper

### LCD Display

- Display Type: 8.4" Diagonal TFT Color LCD
- Resolution: 640 x 480 VGA, Full 24-bit Color
- Orientation: Landscape
- Luminance (with touch): Typical 800 (cd/m<sup>2</sup>)
- Viewing Angles: 80/80 left/right, 80/60 up/down
- Backlight: LED
- Manufacturer: NEC

### Touchscreen

- Type: 4-Wire Analog Resistive
- Durability: Over One Million Touches

### Dimensions

- 8.10" W x 5.99" H x 1.28" D

### Environmental/Regulatory

- Operating Temperature: -20 to 70° C; the LCD temperature range primarily limits this.
- Storage Temperature: -30 to 70° C
- Humidity: Max 90%RH at 60° C; No Condensation
- RoHS 2 Compliant: Yes

### Power Requirements

- Power Supply Voltage: +12VDC±10%
- Power Consumption: Max 900mA

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