

12.1" Display Module

This module makes it easy to add a large color touch display to an industrial or medical product. The unit includes the LCD, controller board, backlight driver, and touch screen, all integrated and ready to go. The module components are sourced for long-term product availability.

The 12.1-inch unit features:

- Wide viewing angle (MVA) TFT panel.
- Designed especially for medical and industrial equipment.
- Comes with 4-wire resistive touch.
- SD memory card slot for added flexibility.
- Incorporates industrial panel designed for applications that demand long availability.
- Steel mounting bracket makes display easy to mount.
- Powered by the SLCD5+ controller running high reliability Reach "bare metal" code (no third party OS).

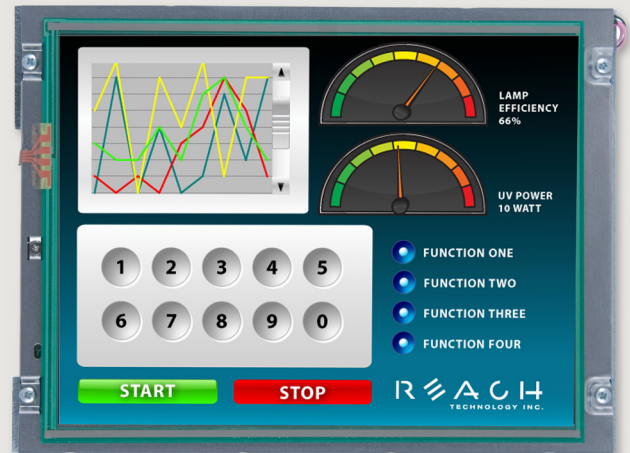
Download mechanical drawings, panel specifications, controller and software reference manuals, and other resources at reachtech.com/support/product-specific-documentation/51-0103-A2.

Get Started with a Development Kit

To get started with a 12.1" development kit, order product number 52-0104-82 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 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.



12.1-inch Display Module front view

Product Specifications

Product Part Number	51-0103-A2
Reach Board Model	SLCD5+
Display Manufacturer	Innolux
Display Size and Type	12.1" TFT (MVA)
Horizontal Viewing Angle (degrees)	178 (typ.)
Vertical Viewing Angle (degrees)	178 (typ.)
Dimensions	10.9" W x 8.63" H x 1.53" D
Resolution	SVGA, 800x600, 16-bit
Orientation	Landscape
Display Brightness (cd/m2)	400 (typ.), with touch
Touch Panel Type	Resistive
Operating Temperature	-20°C to 70°C
Storage Temperature	-30°C to 70°C
Power Supply Voltage	12VDC±10%
Current Requirement	1200mA (typ.), 1350mA (max.)
Interface Connector	Molex 53261 series
Serial Interface	RS232 / RS422 / 3.3V CMOS
Backlight Display	LED
Number of Serial Ports	2
SD Card Slot	Yes
Processor	266MHz ARM
User Flash Memory	28MB
Sound	Audio Beeper
RoHS 2	Yes