REACH
TECHNOLOGY
Part of Novanta

12.1" SLCD5+E Resistive, Wide Viewing Angle MVA SVGA
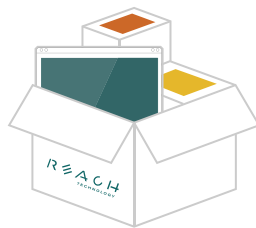
Part Number: 51-0325-3A1

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+E controller it features:

- Two serial ports for either RS-232 or 3.3V CMOS. One port can be converted to RS-422 or RS-485 as a manufacturing option.

- 266 MHz ARM9 Processor. 28MB highly reliable NOR data Flash for user downloadable bitmaps with optional RLE compression.

- Industrial panel with a resistive wide viewing angle touchscreen.

- Created especially for medical and industrial equipment that demands long avilability.

- Designed for long-term availability with a 10+ year processor life and a multi-sourced, industry standard LCD form factor.

Download mechanical drawings, panel specifications, controller and software reference manuals, and more at reachtech.com/products/touchscreen-display-modules/12-1-modules/51-0325-3A1/.

Start with a Development Kit

Order Part Number 52-0325-3A1 which includes module, cables, sample images, sample code, power supply, and technical support. Call 503-675-6464, or email sales@reachtech.com for more information or to order.

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

SLCD5+E Controller

- CPU: 266 MHz 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: Two serial ports for either RS-232 or 3.3V CMOS. One port can be converted to RS-422 as a manufacturing option.

- Audio: Beeper

LCD Display

- Display Type: 12.1" Diagonal TFT Color LCD

- Resolution: 800×600 Wide Viewing Angle MVA SVGA, 16-bit Color

- Orientation: Landscape

- Luminance (with touch): Typical 400 (cd/m²)

- Viewing Angles: 85/85 left/right, 85/85 up/down

- Backlight: LED

- Manufacturer: Innolux

Touchscreen

- Type: 4-Wire Analog Resistive

- Durability: Over One Million Touches

Dimensions

- 10.9" W x 8.63" H x 1.53" 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 1.35A