7-inch Wide Viewing Angle IPS Display Module (12V)

Modules make integration easy. Each unit comes with an LCD, controller board, backlight driver, and touch screen, integrated and ready to go. The 7-inch Hitachi IPS display module features:

- IPS technology for symmetric up/down/right/left viewing angles.

- 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 Hitachi industrial panel designed for long term availability.

- Steel mounting bracket makes display easy to mount.

- Powered by the SLCD5+ controller.

For panel specifications, controller and software reference manuals, and other resources visit the Reach Download Center (www.reachtech.com/support/downloads/).

Get Started with a Development Kit

To get started with a 7-inch development kit: order product number 52-0104-0X which includes module, cables, sample images, sample code, power supply, and technical support.

Visit our, "How can I get started?" webpage, call 510-770-1417, or email sales@reachtech.com for more information or to order.

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

7-inch Hitachi Module, front view

Product Specifications

Product Part Number	51-0103-1X
Reach Board Model	SLCD5+
Display Manufacturer	Hitachi
Display Size and Type	7" TFT
Colors	65,536
Display Viewing Area (mm)	152.4(H) x 91.44 (W)
Horizontal Viewing Angle (degrees)	170 (typ.)
Vertical Viewing Angle (degrees)	85 (Top) 85 (Bottom) (typ.)
Screen Resolution	800x480
Screen Type	WVGA
Display Brightness (cd/m2)	360 (typ.), with touch
Touch Panel Type	Resistive
Operating Temperature	-20°C to 70°C
Storage Temperature	-30°C to 80°C
Supply Voltage	12VDC±10%
Power Requirement	630mA typical
Interface Connector	Molex 53261 series
Serial Interface	RS232 / 3.3V CMOS
Backlight Display	LED
Number of Serial Ports	2
USB Port	No
SD Card Slot	Yes
Microprocessor	266MHz ARM (32 bit)
User Flash Memory	28MB
RoHS	Yes