

## 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/](http://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](mailto: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

<b>Product Part Number</b>	51-0103-1X
<b>Reach Board Model</b>	SLCD5+
<b>Display Manufacturer</b>	Hitachi
<b>Display Size and Type</b>	7" TFT
<b>Colors</b>	65,536
<b>Display Viewing Area (mm)</b>	152.4(H) x 91.44 (W)
<b>Horizontal Viewing Angle (degrees)</b>	170 (typ.)
<b>Vertical Viewing Angle (degrees)</b>	85 (Top) 85 (Bottom) (typ.)
<b>Screen Resolution</b>	800x480
<b>Screen Type</b>	WVGA
<b>Display Brightness (cd/m2)</b>	360 (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 80°C
<b>Supply Voltage</b>	12VDC±10%
<b>Power Requirement</b>	630mA typical
<b>Interface Connector</b>	Molex 53261 series
<b>Serial Interface</b>	RS232 / 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 (32 bit)
<b>User Flash Memory</b>	28MB
<b>RoHS</b>	Yes