7" Wide Viewing Angle IPS Display Module (5V)

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.

Download mechanical drawings, panel specifications, controller and software reference manuals, and other resources at reachtech.com/support/product-specific-documentation/51-01083-21.

Get Started with a Development Kit

To get started with a 7-inch development kit: order product number 52-0104-11 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.

7-inch Hitachi Module, front view

Product Specifications

Product Part Number	51-0103-21
Reach Board Model	SLCD5+
Display Manufacturer	Hitachi
Display Model	TX18D35VM0APA
Display Size and Type	7" TFT WVGA
Horizontal Viewing Angle (degrees)	170 (typ.)
Vertical Viewing Angle (degrees)	85 (Top) 85 (Bottom) (typ.)
Dimensions	6.70" W x 4.87" H x 1.2" D
Resolution	WVGA, 800x480, 16-bit
Orientation	Landscape
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
Power Supply Voltage	5VDC±10%
Current Requirement	1.98A 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
Microprocessor	266MHz ARM9 (32 bit)
User Flash Memory	28 MB
Sound	Audio Beeper
RoHS 2	Yes

* Manufacturing Option Only