



Hantronix LCD Touch Panels

As more and more people adopt smartphones and tablets, the touch panel has become the ubiquitous user-interface medium. Hantronix offers an extensive selection of standard touch panels to compliment our wide range of LCD products. Touch panels are fully integrated into the LCD, and deliver a cost-effective touch solution to the various customer applications.

4 / 5 Wire Resistive Touch Panel

- Lower cost T/P solution
- Actuated by touch pressure
- Highly accurate touch registration
- Good for stylus or gloved-hand use
- Ideal for touch applications that don't require pinch/zoom/swipe motions



Projected Capacitive Touch Panel (Double ITO Glass[®] PCT)

- Lower cost PCAP design
- Multi-touch capability (pinch / zoom / swipe)
- Built-in T/P controller
- Very High Transparency (<85%)
- Durable to surface cleaning
- Surface Hardness: 3H
- USB or I2C Interface

Projected Capacitive Touch Panel (Cover Glass PCT)

- Competitive cost PCAP design
- Chemically Strengthened cover glass
- Multi-touch capability (pinch / zoom / swipe)
- Built-in T/P controller
- Very High Transparency (<85%)
- Durable to surface cleaning
- Surface Hardness: 6H
- USB or I2C Interface

FFSTN for Mono Graphics, Dots Matrix

Whereas a Hantronix custom VA (Vertical Alignment) display with color screen printing looks really vibrant with a high contrast, it is limited to a lower duty rate. A typical VA display is less than 1/16 duty and shows digits, segments, and icons (less multiplexing).

If you need a block of dots matrix like 128x64 dots or 320x240 dots, you may want to consider a Hantronix FFSTN, negative LCD module. The "FF" means double film compensation used to make a high contrast and wide viewing area LCD module.

FFSTN, Negative, Mono, with White LED backlight

- Black background, white pixels, dots
- Upto 1/240 duty rate for dot matrix, 128x64 to 320x240 dots for a true mono graphics LCD module.
- Contrast 120:1
- Viewing angle, up/down 100 degrees, left/right 120 degrees.
- Other LED backlight color can be used such as green, orange.
- Color screen printing is an available option on FFSTN.
- FFSTN, negative option is available on Hantronix standard mono graphics LCD modules.

Photo caption :

Hantronix FFSTN, negative, mono 128x64 graphics.
1/64 duty rate, with COG controller IC.

