

HDMI & USB connection

GT-1P

This is a built-in touch monitor that can be used immediately with HDMI and USB (HID compliant). It is resistant to noise sources and works with gloves and water.



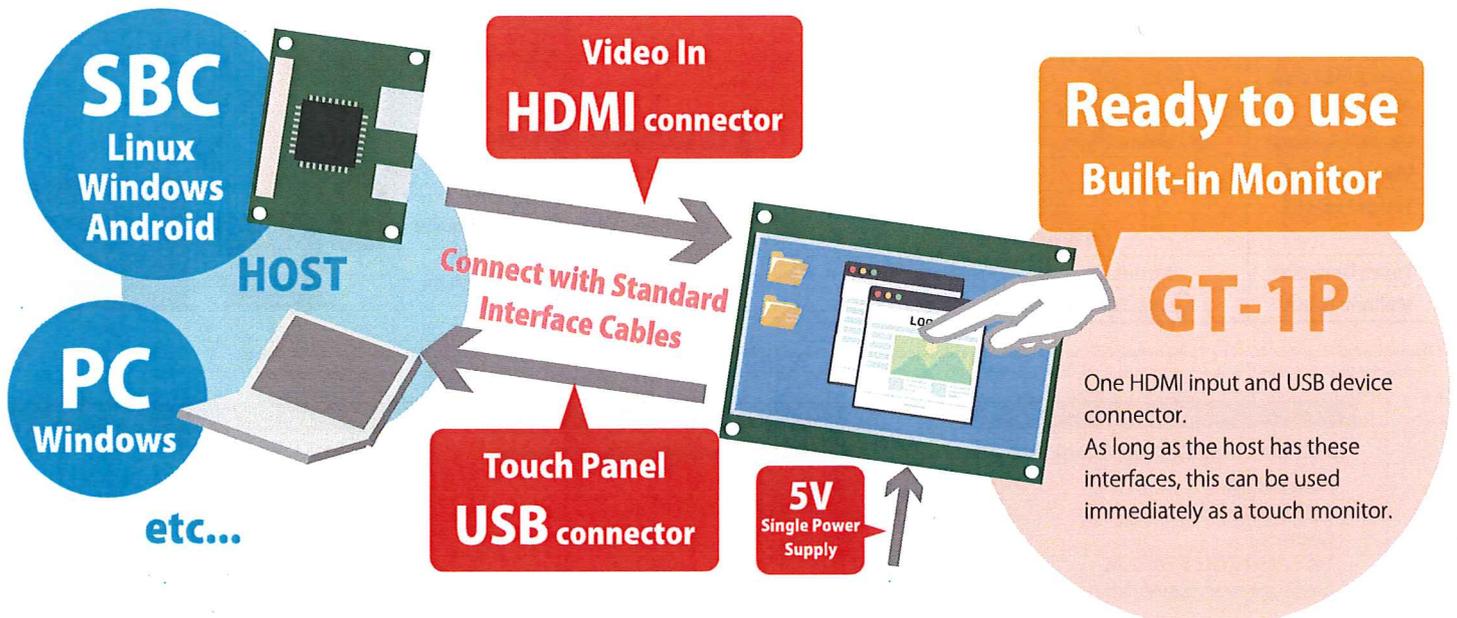
Gloves Compatible



Wet Compatible

PC/SBC Ready (for Linux/ Microsoft Windows/ Android)

HDMI & USB (HID compliant) Built-in touch monitor compatible with Plug and Play

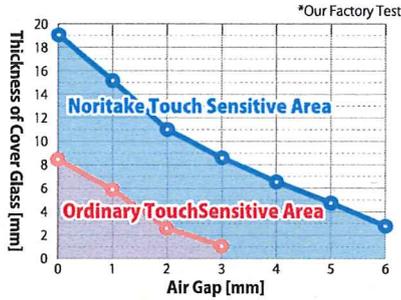


Gloved Touch is Possible/

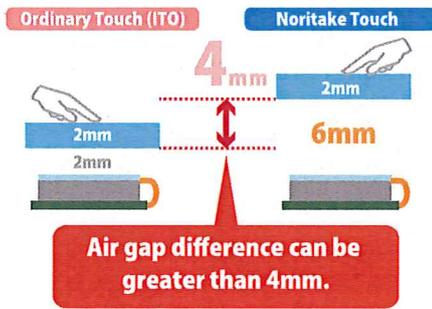
Wide Touch Tolerance

Higher sensitivity than ordinate touch panels (like ITO) and offers thicker cover glass and compatibility with a variety of gloves.

Comparison of Touch Sensitivity



In case of 2mm Cover Glass,



* Set enough margin in your design.

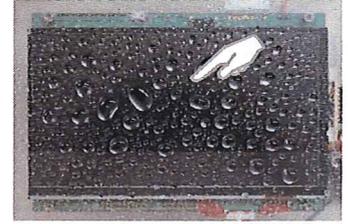
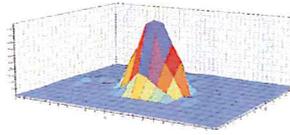
Wet Touch Possible

Strong and Stable Touch Signal

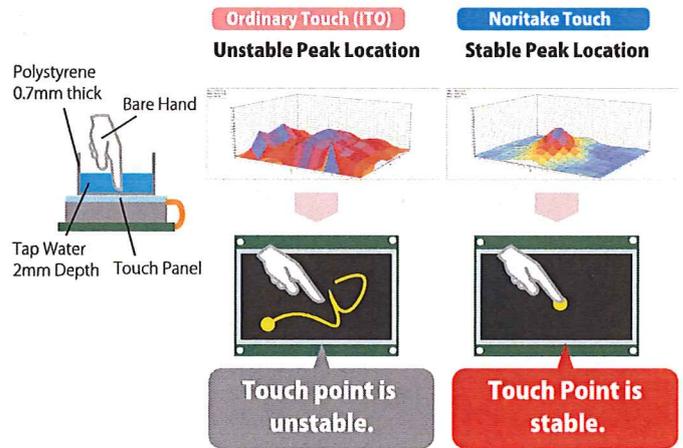
With a stable touch sensing signal, touch detection is possible by locating the signal's peak point.

Touch Signal of Water drops

Tap water, drop size is 3mm or larger.



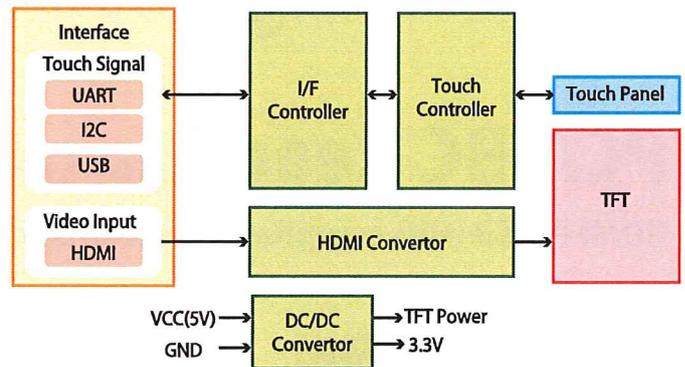
Touch Signal under Water Film



Specifications

Code	GT800X480A-1303P	GT1280X800A-1303P
Display Size	154.08 x 85.92 mm (7 inch)	216.96 x 135.60 mm (10.1 inch)
Pixel pitch	0.1926 x 0.179 mm	0.1695 x 0.1695 mm
PCB Size	165.0 x 118.5 mm	230.0 x 174.0 mm
Display Resolution	800 x 480 pixels	1280 x 800 pixels
Number of Colors	16M colors	16M colors
Operating Temp.	-20 to +70 °C	-20 to +60 °C
Brightness	850 cd/m ² (Typ.) at 25 °C	850 cd/m ² (Typ.) 25 °C
Operating Power	5V / 640mA (Typ.)	5V / 1500mA (Typ.)
Video Input I/F	HDMI	
Touch Panel I/F	UART, I2C, USB (HID compliant)	
Touch Detection	Metallized Projective Capacitive Touch	
Multiple Touch	Single Touch or Multi(1) at Wet Condition	

Block Diagram



Cover Glass Option

Cover glass mounting & sensitivity adjustment available. You can customize printing, half-mirroring, changing the outer shape, etc. Please consult with the decoration on the glass.



* The touch panel is made of thin glass. Please handle with care when handling and assembling. When using this product, please be sure to install a protective overlay such as cover glass, acrylic plate, etc. The results of touch action with glove and water spillage condition are under factory test conditions. It does not guarantee the operation. Please make sure that it operates in customer's environment.

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