

7" LCD Touch Screen

GU-TFT Series

Noritake **itron**



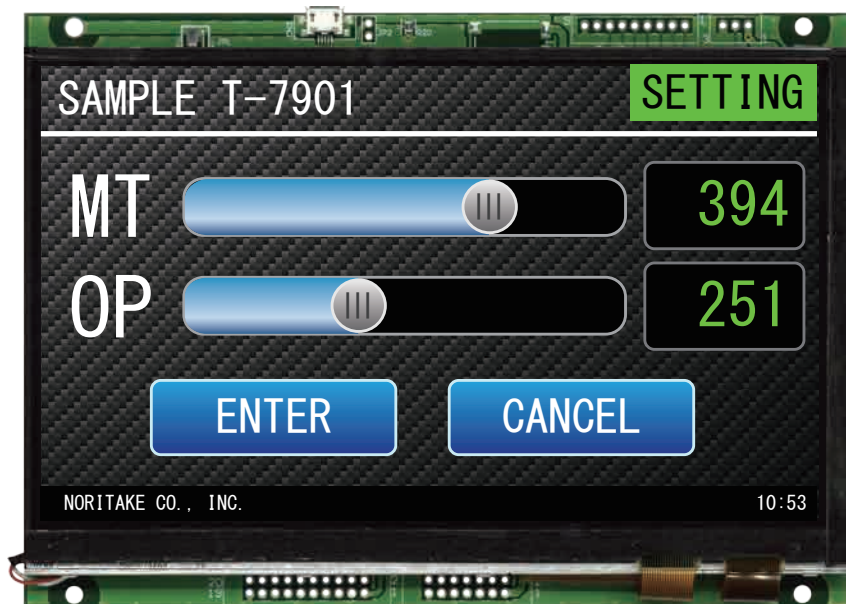
Touch works with gloves and water spillage.

Metallized Projective Capacitive Touch

Ideal for use in food-processing, medical,
laboratory, & manufacturing equipment.

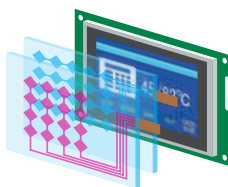


FEATURES



Metallized Projective Capacitive Touch

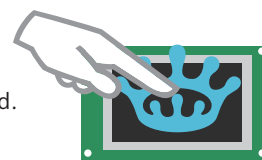
Two metallized layers(x-y) are overlaid onto an LCD screen. These thin-film metallic panels have a lower impedance than typical ITO** touch panels. This allows for a higher S/N ratio, wider touch sense margin, and better overall sensitivity.



** ITO = Indium Tin Oxide

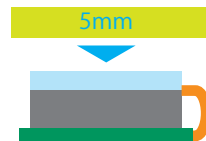
Stable Operation

No interference from gloves or liquid.
Maintains a smooth HMI.



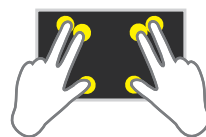
Adaptable Sensitivity

Variable projection radius. Tested up to a 5mm acrylic overlay without affecting touch response under factory conditions.



Multiple Touches

Handles up to 10 concurrent touches at a time.



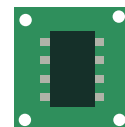
Easily Cleaned

Glass surface is damage-resistant and tolerant to chemical cleaning solutions.



Simple Interface

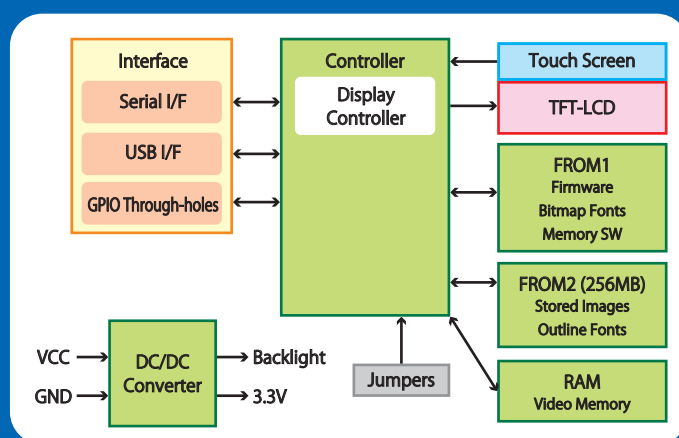
Command-based controls are easily driven by off-the-shelf MCUs.



Specifications

Module	GT800X480A-C903P
Display Size	152.4 x 91.4 mm (7 inch)
PCB Size	165.0 x 118.5 mm
Display Resolution	800 x 480 pixels
Number of Colors	65K Colors
Contrast Ratio	400 : 1
Operating Temp.	-20 to +70 °C
Brightness	400 Nit (Typical) at 25°C
Operating Power	5V / 0.7A (Typical)
Interfaces	Serial interface (UART/I2C/SPI CMOS -level) USB interface (High-speed / Full-speed)
I/O Ports	26 general-purpose I/O ports
Character Fonts	ASCII / Japanese / Chinese / Korean (Outline font)
Touch Detection	Metallized Projective Capacitive Touch
Multiple Touch	10-point touch maximum

Block Diagram



[NOTE] The contents in this document are subject to change without prior notice.