

# MT510TV4

Human Machine Interface  
with 10.4" TFT LCD display



## ***[Introduction]***

The MT500 series touch screen is the result of our continuous efforts to perfect our PLC touch screen products.

Our accumulated knowledge in touch screen design has enabled us to produce these state-of-art touch screen, bringing out the PLC's full of potential, and improving production line efficiency.

## ◆ **Specifications**

- **Construction:** plastic molding housing
- **Display:** 10.4" 640x480 256 colors LCD
- **CPU and core logic:** Intel® PXA255 200MHz
- **DRAM:** 4MB on board
- **Storage:** 2MB flash memory on board  
128KB battery backup Recipe memory
- **I/O:** 1 RS232 port (PC-HMI)  
1 RS232/485 port (HMI-PLC)
- **RTC:** Built-in
- **Power input:** 24 V<sub>DC</sub>, 440mA maximum
- **Dimension (W x H x D):** 315 x 238 x 60mm
- **Weight:** Approx. 2.0 kg
  
- **Software:** EB500 V2.7.1 or later

## ◆ **Features**

- 10.4" 640x480 256 colors LCD
- Intel® Xscale PXA255 200MHz processor
- Built-in Recipe memory and Real Time Clock
- NEMA4/IP65 compliant front panel

## ◆ **LCD Display**

Display type	256 colors TFT LCD
Display size (diagonal)	10.4"
Max colors	256
Resolution	640 x 480
Pixel pitch (HxV, mm)	0.33 x 0.33
Viewing angle (°)	40/70/70/70 (T/B/R/L)
Luminance (cd/m <sup>2</sup> )	400
Backlight	CCFL x 2
Backlight Life time	50,000 hrs.
Contrast ratio	300:1

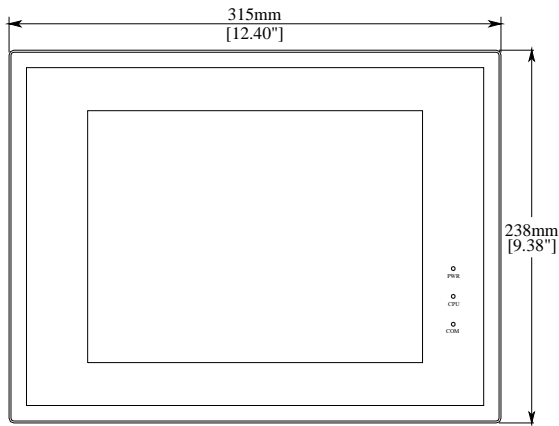
## ◆ **Touchscreen**

- **Type:** 4-wire, analog resistive
- **Resolution:** continuous
- **Light transmission:** above 85%
- **Life:** 1 million activation minimum

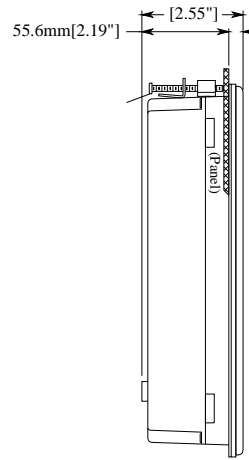
## ◆ **Environmental Specifications**

- **Operating temperature:** 0° ~45°C (14° ~ 140°F)
- **Relative humidity:** 10% ~ 90% @ 40°C, non-condensing
- **Shock (operation):** 10 to 25Hz(X,Y,Z direction 2G 30minutes)
- **EMI:** Complies with FCC class A
- **CE:** Complies with EN50081-2 and EN50082-2 standards
- **Front panel meets NEMA4 / IP65**

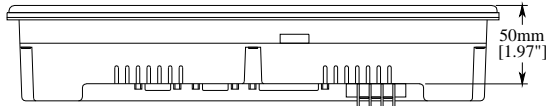
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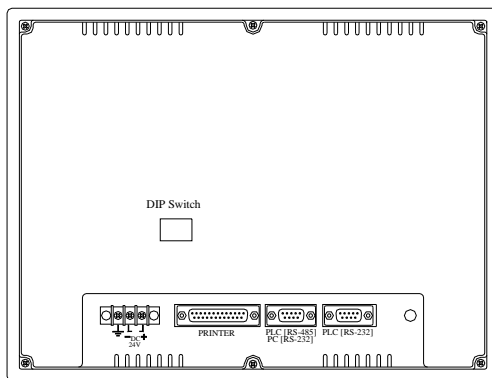
Front View



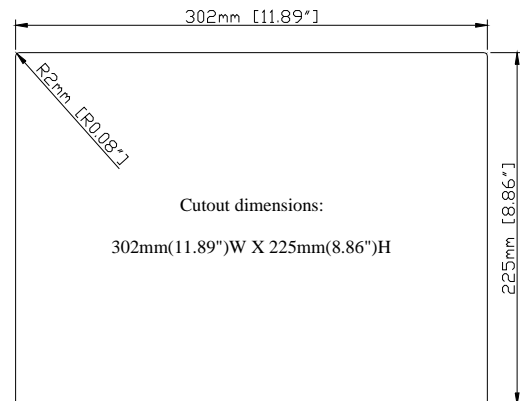
Side View



Bottom View



Rear View



## Ordering Information

- ❑ **MT510TV4:**  
10.4" 256 colors TFT LCD display touch panel HMI with Intel Xscale PXA 255 CPU 2MB flash memory/4MB DRAM on board
- ❑ **MT5\_PC:**  
PC to MT download cable.
- ❑ **PS510:**  
MT510 Protective Sheet 3 sheets per package.