

MT508TV5

Human Machine Interface
with 8" 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:** 8" 640x480 256 colors TFT LCD
- **CPU and core logic:** Intel® PXA255 200MHz
- **DRAM:** 4MB on board
- **Storage:** 4MB flash memory on board
128KB battery backup Recipe memory
- **I/O:** 1 RS232 port (PC-HMI)
1 RS232/485 port (HMI-PLC)
1 RS232/485 port (HMI-AUX)
- **RTC:** Built-in
- **Power input:** 24 V_{DC}, 0.5A maximum
- **Dimension (W x H x D):** 240 x 178 x 50mm
- **Weight:** Approx. 1.2kg
- **Software:** EB500 V2.7.1 or later

Features

- 8" 640x480 256 colors TFT LCD
- Intel® Xscale PXA255 200MHz processor
- Built-in Recipe memory and Real Time Clock
- NEMA4/IP65 compliant front panel
- Aux port can connect Modbus RTU device or OMRON E5CN temperature controller.

LCD Display

Display type	TFT LCD
Display size (diagonal)	8"
Max colors	256
Resolution	640 x 480
Pixel pitch (HxV, mm)	0.2535 x 0.2535
Viewing angle (°)	55/65/65/65 (T/B/R/L)
Luminance (cd/m ²)	400
Storage temperature (°C)	-25~70
Operating temperature (°C)	0~45
Backlight	CCFL x 1
Backlight life time	50,000 hrs.
Contrast ratio	250:1

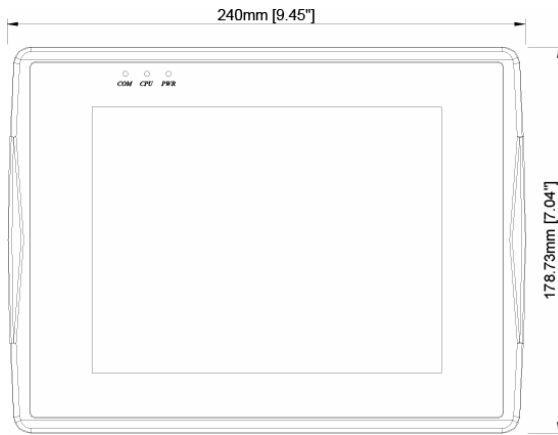
Touchscreen

- **Type:** 4-wire, analog resistive
- **Resolution:** continuous
- **Light transmission:** above 80%
- **Life:** 1 million activation minimum

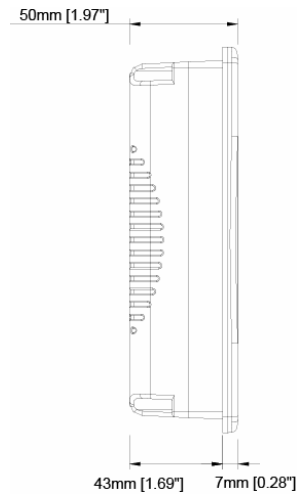
Environmental Specifications

- **Operating temperature:** 0° ~ 45°C (32° ~ 113°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**

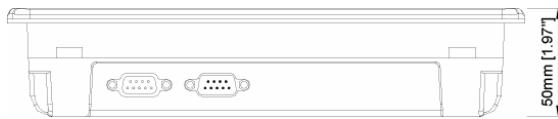
Dimensions Drawing



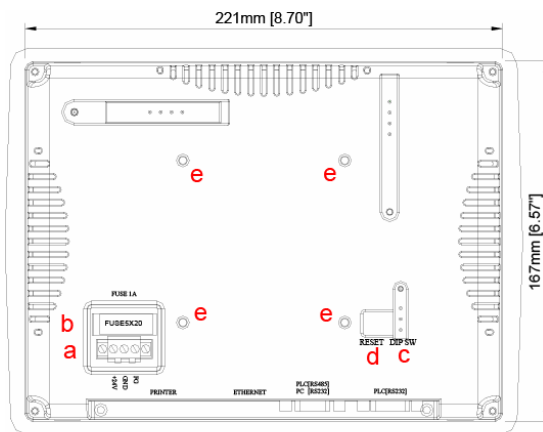
Front View



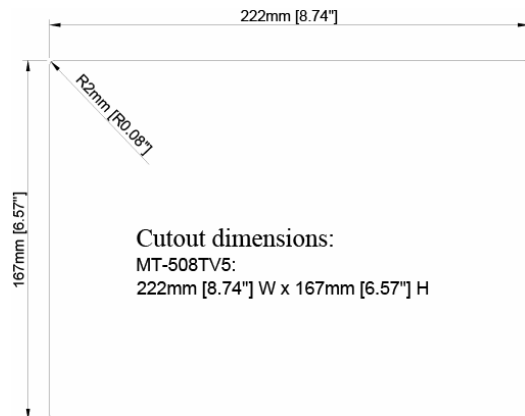
Side View



Bottom View



Rear View



a. Power terminal	e. VESA hole x 4
b. Fuse	f. PLC [RS-232]
c. DIP Switch	g. PLC [RS-485]/PC[RS232]
d. Reset button	

□ MT508TV5:

8" TFT LCD display touch panel HMI with Intel Xscale PXA 255 CPU 4MB flash memory/4MB DRAM on board

□ MT5_PC:

PC to MT download cable.

□ PS508:

MT508 Protective Sheet 5 sheets per package.