

MT506TV5

Human Machine Interface
with 5.6" 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:** 5.6" 320x234 256 color TFT 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:** 12~24 V_{DC},
350 mA@12VDC~200 mA@24VDC
- **Dimension (W x H x D):** 204 x 150 x 48mm
- **Weight:** Approx. 0.85kg

- **Software:** EB500 V2.7.3 or later

Features

- 5.6" 320x234 256 colors TFT LCD
- Intel® Xscale PXA255 200MHz processor
- Built-in Recipe memory and Real Time Clock
- NEMA4/IP65 compliant front panel
- LED Backlight

LCD Display

Display type	TFT LCD
Display size (diagonal)	5.6"
Max colors	256
Resolution	320 x 234
Pixel pitch (HxV, mm)	0.362 x 0.118
Viewing angle (°)	45/65/65/65 (T/B/R/L)
Luminance (cd/m ²)	300
Backlight	LED
Backlight Life time	30,000 hrs.
Contrast ratio	300:1

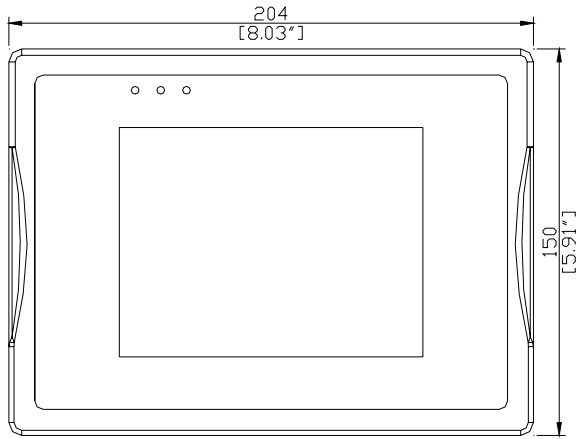
Touchscreen

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

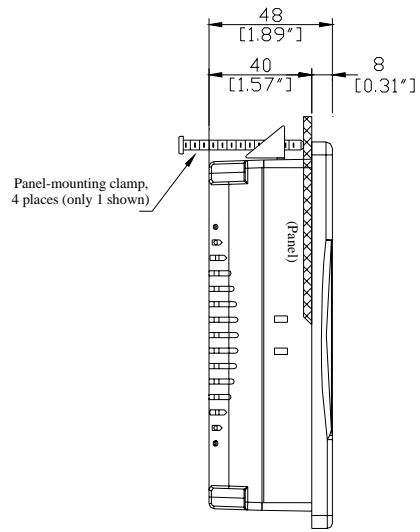
Environmental Specifications

- **Operating temperature:** -10° ~ 45°C (14° ~ 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**

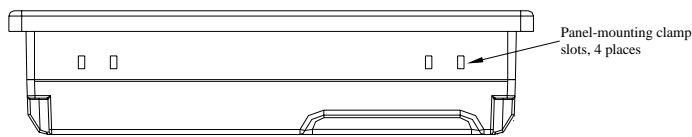
MT506TV5



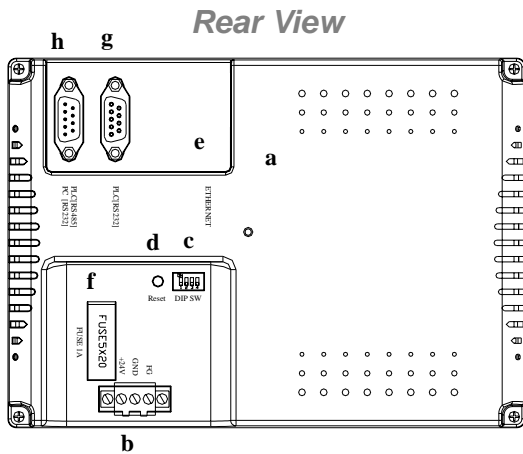
Front View



Side View



Bottom View



Rear View

a. None	e. None
b. Power terminal	f. Fuse
c. DIP Switch	g. PLC [RS-232]
d. Reset button	h. PLC [RS-485]/PC[RS232]

Ordering Information

- MT506TV5:**
 5.6" 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.
- PS506:**
 MT506 Protective Sheet 5 sheets per package.