

MT508SE4

Human Machine Interface with 7.7" DSTN 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 potential, and improving production line efficiency.

The Ethernet port support Master/Slave TCP/IP and Modbus TCP/IP protocol.

Specifications

- **Construction:** plastic molding housing
- **Display:** 7.7" 640x320 256 color STN LCD
- **CPU and core logic:** Intel® PXA255 200MHz
- **DRAM:** 4MB on board
- **Storage:** 2MB flash memory on board (4MB option)
128KB battery backup Recipe memory
- **I/O:** 1 RS232 port (PC-HMI)
1 RS232/485 port (HMI-PLC)
1 RS232/485 port (HMI-AUX)
1 Printer port
- **RTC:** Built-in
- **Power input:** 24 V_{DC}, 0.5A maximum
- **Dimension (W x H x D):** 231 x 176 x 55mm
- **Weight:** Approx. 1.2kg

- **Software:** EB500 V2.5.0 or later

Features

- 7.7" 640x480 256 colors DSTN LCD
- Intel® Xscale PXA255 200MHz processor
- Ethernet port 10 Base-T
- Built-in Recipe memory and Real Time Clock
- NEMA4/IP65 compliant front panel
- Compact Flash Card download project
- Aux port can connect Modbus RTU device

LCD Display

Display type	Color STN LCD
Display size (diagonal)	7.7"
Max colors	256
Resolution	640 x 480
Pixel pitch (HxV, mm)	0.246 x 0.246
Viewing angle (°)	40/30/50/50 (T/B/R/L)
Luminance (cd/m ²)	150
Storage temperature (°C)	-20~60
Operating temperature (°C)	0~45
Backlight	CCFL x 2
Contrast ratio	30:1

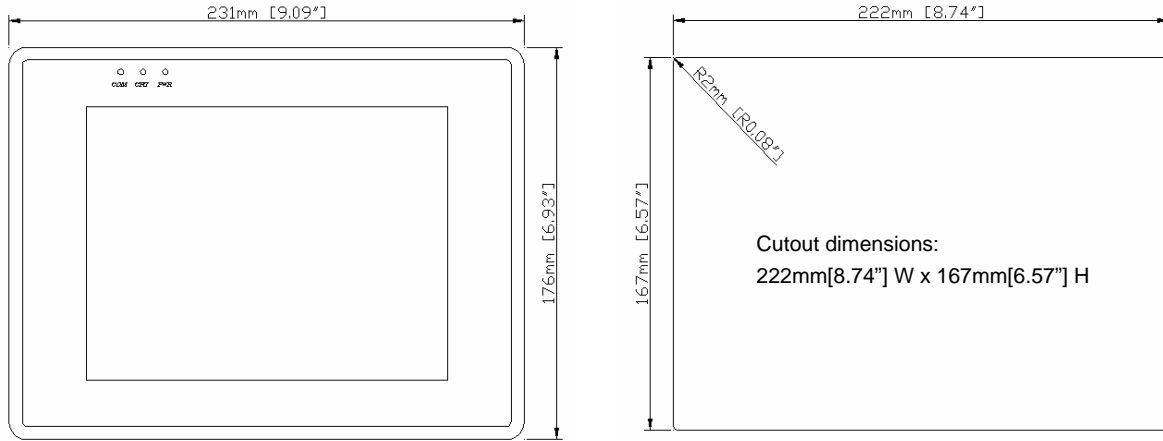
Touchscreen

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

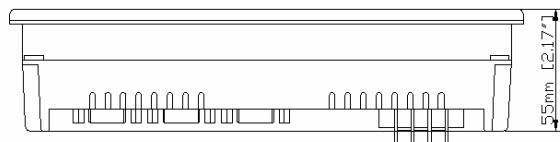
Environmental Specifications

- **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

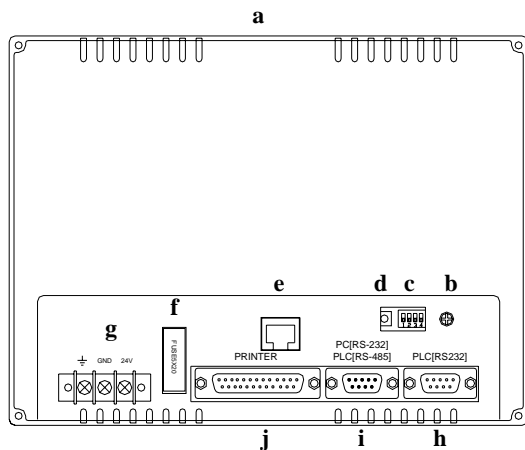


Front View



Bottom View

Rear View



- a. CompactFlash™ slot
- b. Contrast Adjust VR
- c. DIP Switch
- d. Reset button
- e. Ethernet port
- f. Fuse
- g. Power terminal
- h. PLC [RS-232]
- i. PLC [RS-485]/PC[RS232]
- j. Printer port

Ordering Information

- ❑ **MT508SE4:**
7.7" DSTN 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.