MT508TV/E45

◆ Features

- 8" 640x480 256 colors TFT LCD
- Intel® Xscale PXA255 200MHz processor
- Ethernet port 10 Base-T (E series)
- Built-in Recipe memory and Real Time Clock
- NEMA4/IP65 compliant front panel
- Compact Flash Card download project (E series)
- Aux port can connect Modbus RTU device (E series)

【 *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.

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

◆ Specifications

- **Construction:** plastic molding housing
- **Display:** 8" 640x480 256 color TFT LCD
- **CPU and core logic:** Intel® PXA255 200MHz
- **DRAM:** 4MB on board
- **Storage:** V45: 2MB flash memory on board
  E45: 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) (E series only)
  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 V2.6.0 or later

◆ LCD Display

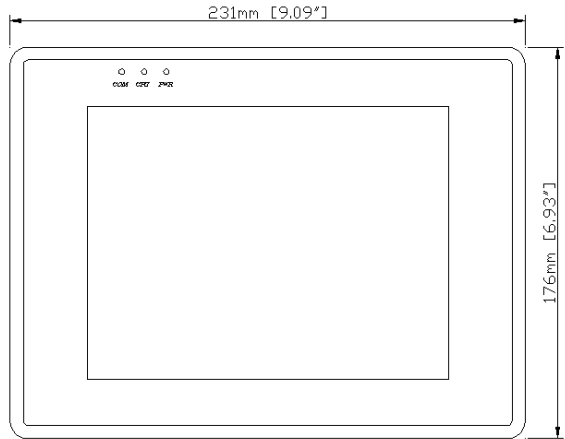| Display type	TFT LCD
Display size (diagonal)	8"
Max colors	256
Resolution	640 x 480
Pixel pitch (HxV, mm)	0.2535 x 0.2535
Viewing angle (°)	55/65/65/65 (T/B/R/L)
Luminance (cd/m²)	400
Storage temperature (°C)	-25~70
Operating temperature (°C)	0~45
Backlight	CCFL x 1
Backlight life time	50,000 hrs.
Contrast ratio	250:1

◆ Touchscreen

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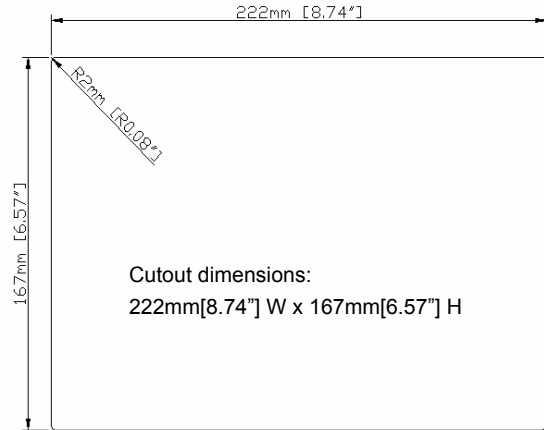- **Life:** 1 million activation minimum

◆ 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
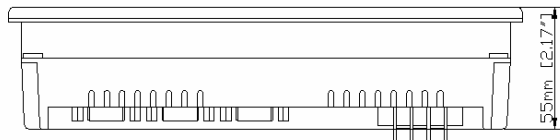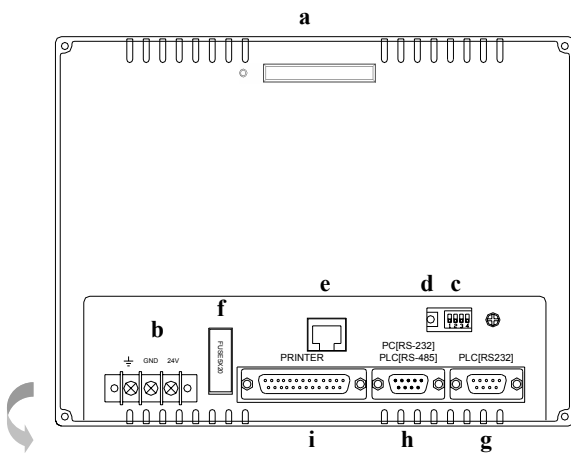- **Front panel meets NEMA4 / IP65**

◆*Dimensions Drawing*

231mm [9.09"]

176mm [6.93"]

COM CPU PWR

Front View

222mm [8.74"]

R2mm [R0.08"]

167mm [6.57"]

Cutout dimensions:
222mm[8.74"] W x 167mm[6.57"] H

55mm [2.17"]

Bottom View

Rear View

a

e   d c

f

b

FUSE3A20

GND 24V

PRINTER   PC[RS-232]   PLC[RS232]
           PLC[RS-485]

i   h   g

Ordering Information

❑ **MT508TE45:**
8" TFT LCD display touch panel HMI with Intel Xscale PXA 255 CPU 4MB flash memory/4MB DRAM on board
Ethernet port, Aux port and CF card slot.

❑ **MT508TV45:**
8" 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.

❑ **PS508:**
MT508 Protective Sheet 5 sheets per package.

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