

# MT8080T

## Human Machine Interface with 8" TFT LCD display



### **【 Introduction 】**

MT8000 series is the new HMI generation of Weintek. With the design concept of meeting customers' satisfaction while easy-to-Use attribute as before, a MT8000 not only performs as a Human Machine Interface but also plays as a role of data exchange center. Through the most popular Ethernet connection, data can be shared among MT8000s without limitation and any SCADA/HMI software on the PC can simply access data from MT8000s. MT8000 series is the best choice for your requirement tomorrow.

### **Specifications**

- **Construction:** plastic molding housing
- **Display:** 8" 640x480 65536 color TFT LCD
- **CPU and core logic:** 32Bit RISC processor
- **DRAM:** 64 MB on board
- **Storage:** 32 MB flash memory on board,  
1 CompactFlash™ card slot.
  
- **I/O:** 3 serial ports: Com1: RS-232/RS-485 2w/4w,  
Com2: RS-232,  
Com3: RS-232/RS-485 2w  
1 Ethernet port (10/100Base-T)  
3 USB 2.0 full-speed host (12Mbps)
- **Sound output:** 20-bits Stereo output
- **RTC:** Built-in
- **Power input:** 24 V<sub>DC</sub>, 440mA maximum
- **Dimension (W x H x D):** 240 x 179 x 50mm
- **Weight:** Approx. 1.3kg
- **Software:** EB8000 V1.0.1 or later

### **Features**

- 8" 640x480 65536 colors TFT LCD
- Fan-less cooling system
- Built-in flash memory and RTC
- NEMA4/IP65 compliant front panel
- One CompactFlash™ slot

### **LCD Display**

Display type	TFT LCD
Display size (diagonal)	8"
Max colors	65536
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 <sup>2</sup> )	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

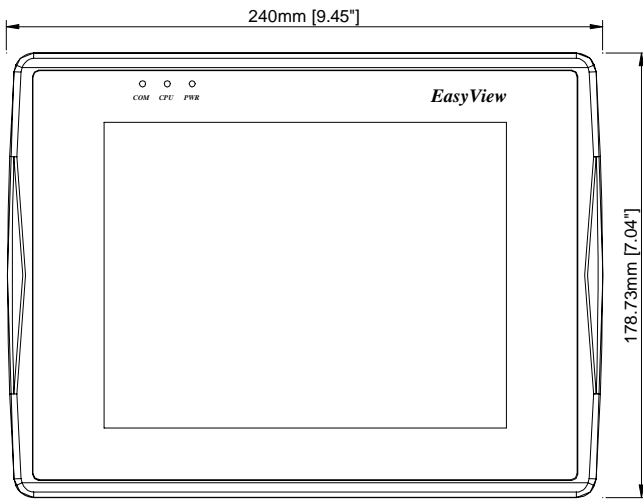
### **Touchscreen**

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

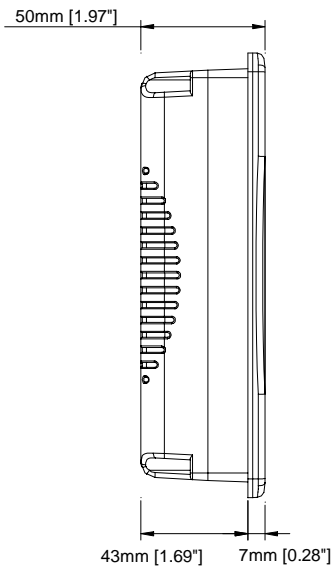
### **Environmental Specifications**

- **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**

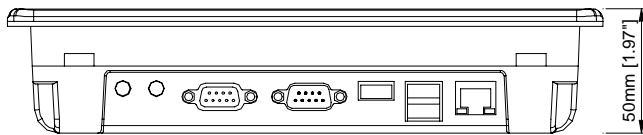
## Dimensions Drawing



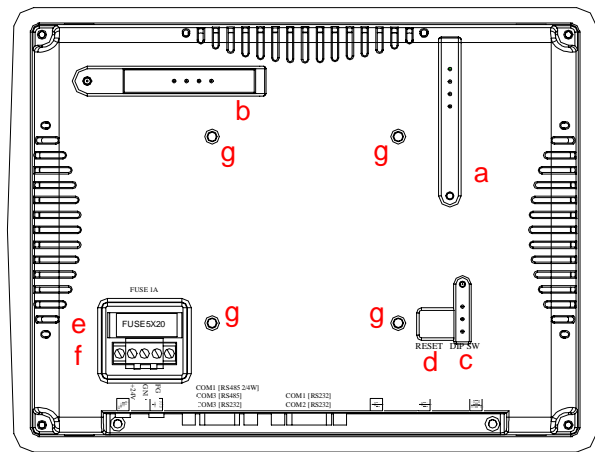
Front View



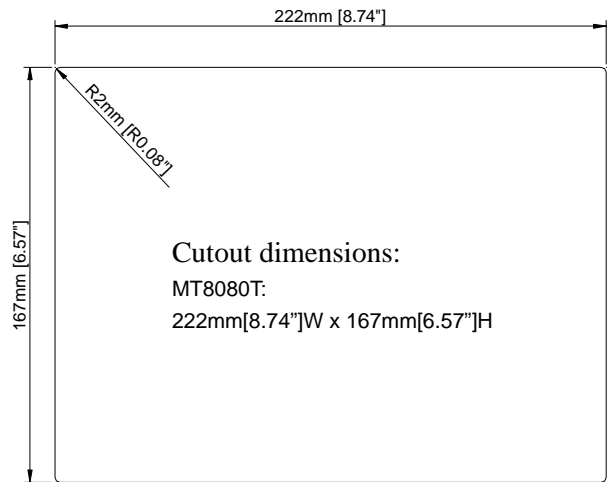
Side View



Bottom View



Rear View



a. CompactFlash™ slot	h. Ethernet port
b.	i. USB Host
c. DIP Switch	j. Com1 [RS-232]
d. Reset button	Com2 [RS-232]
e. Fuse	k. Com1 [RS-485 4/2w]
f. Power terminal	Com3 [RS232]/[RS485]
g. VESA 75mm screw holes	l.
	m. Line Out

## Ordering Information

- ❑ **MT8080T:**  
8" TFT LCD HMI, 32MB flash memory/64MB DRAM on board.
- ❑ **PS508:**  
MT508/MT608/MT8080 Protective Sheet 5 sheets per package.