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**: N/A
· **RTC:** Built-in
· **Power input:** 24 V_{DC}, 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^2)	400
Backlight	CCFL x 1
Backlight life time	50,000 hrs.
Contrast ratio	250:1

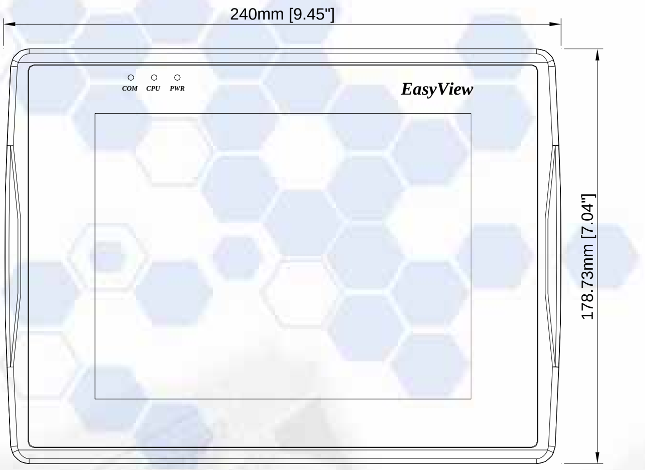
◆ *Touchscreen*

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

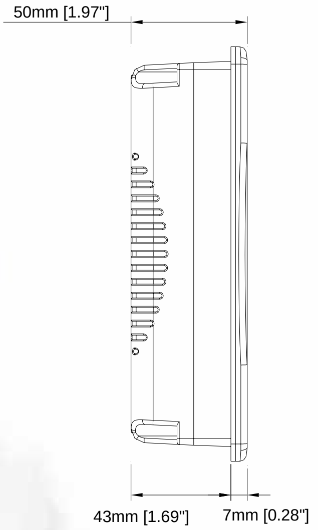
◆ *Environmental Specifications*

· **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**

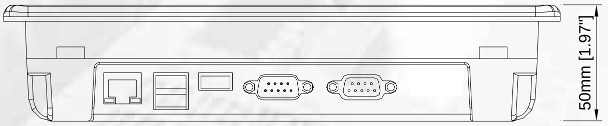
◆ *Dimensions Drawing*


240mm [9.45"]
COM
CPU
PWR
EasyView
178.73mm [7.04"]

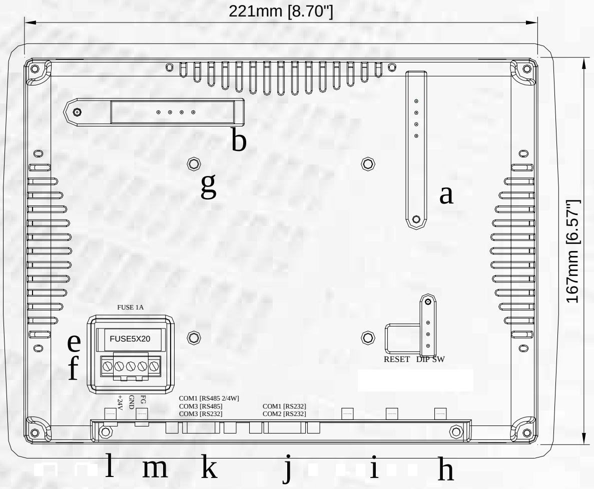
Front View


50mm [1.97"]
43mm [1.69"]
7mm [0.28"]

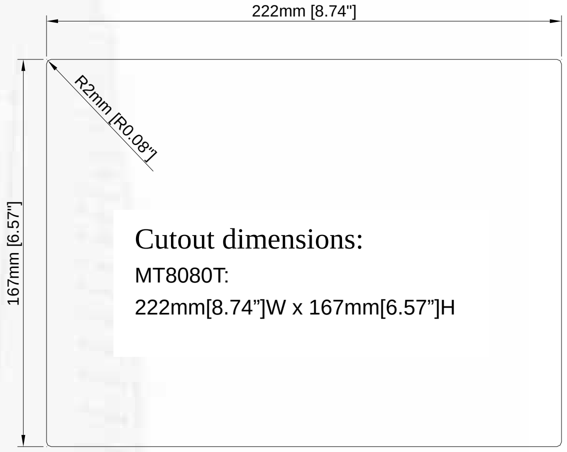
Side View



Bottom View


221mm [8.70"]
167mm [6.57"]
b
g
a
FUSE 1A
FUSE5X20
e
f
+24V
GND
FG
COM1 [RS485 2/4W]
COM3 [RS485]
COM3 [RS232]
COM1 [RS232]
COM2 [RS232]
RESET
DIP SW
l
m
k
j
i
h

Rear View


222mm [8.74"]
R2mm [R0.08"]
167mm [6.57"]

Cutout dimensions:

MT8080T:

222mm[8.74"]W x 167mm[6.57"]H

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

Ordering Information

☐ **MT8080T:**
8" TFT LCD HMI, 32MB flash memory/64MB DRAM on board.

☐ **PS508:**
MT508/MT608 Protective Sheet 5 sheets per package.