WEINTEK

Human Machine Interface with 4.3" TFT LCD display

◆ Features

- 4.3" 480x272 TFT LCD
- Fan-less cooling system
- NEMA4/IP65 compliant front panel
- LED Back Light
- Ethernet Port (10/100 Base-T)
- Power Isolator Inside
- Com1 RS485 supports MPI 187.5K

【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. MT8000 series is the best choice for your requirement tomorrow.

The MT8050*i* includes an Ethernet Port (10/100 Base-T)

◆ Specifications

· **Construction:** plastic molding housing
· **Display:** 4.3" 65,536 color TFT LCD
· **CPU and core logic:** 32Bit RISC 400MHz processor
· **DRAM:** 64 MB DDR2 on board
· **Storage:** 128 MB flash memory on board,
  Recipe memory saved in flash memory, RW 512 Kword, RW_A 64 Kword.
  (User project size: 16MB, Data and Event log size: 48MB)
· **I/O:** serial ports: Com1: RS-232/RS-485 2w/4w,
             Com3: RS-485 2w
             Ethernet Port (10/100 Base-T)
· **Power input:** 24±20%V_{DC},250mA@24VDC
· **Dimension (W x H x D):** 128 x 102 x 38mm
· **Weight:** 0.3kg
· **Software:** EB8000 V4.1.0 or later

◆ LCD Display

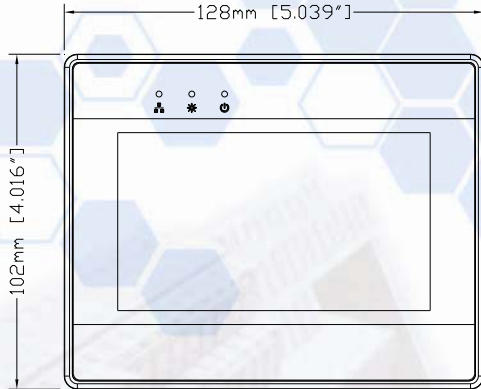| Display type	TFT LCD
Display size (diagonal)	4.3"
Max colors	65536
Resolution	480 x 272
Pixel pitch (HxV, mm)	0.198 x 0.198
Viewing angle (°)	50/70/70/70(T/B/R/L)
Luminance (cd/m^2)	500
Backlight	LED
Backlight Life time	30,000 hrs.
Contrast ratio	600:1

◆ Touchscreen

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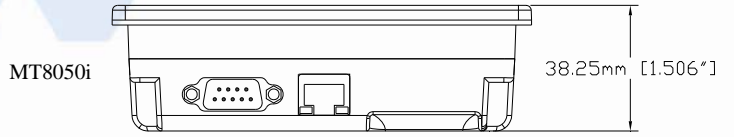· **Life:** 1 million activation minimum

◆ Environmental Specifications

· **Operating temperature:** 0° ~ 50°C (32° ~ 122°F)
· **Storage temperature:** -20° ~ 60°C (-4° ~ 140°F)
· **Relative humidity:** 10% ~ 90% @ 40°C, non-condensing
· **Shock (operation):** 10 to 25Hz(X,Y,Z direction 2G 30minutes)
· **CE/FCC：** Complies with EN 55022:2006,Class A
             EN 55024:1998+A1:2001+A2:2003
             EN 61000-3-2:2006
             EN 61000-3-3:1995+A1:2001+A2:2005
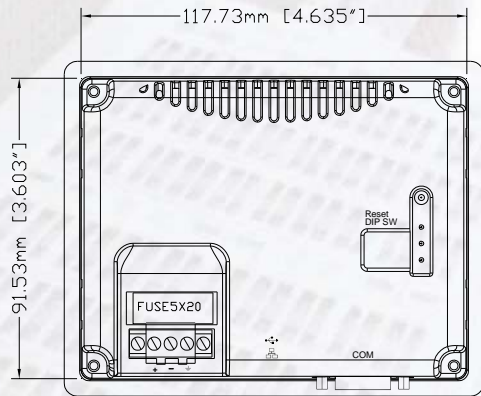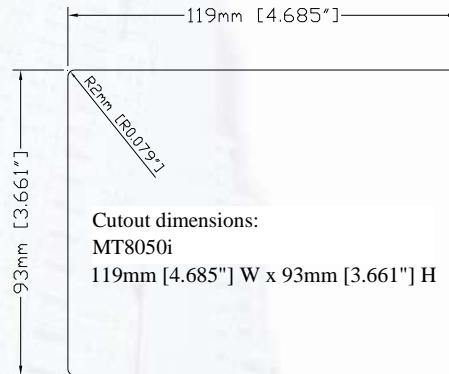· **Front panel meets NEMA4 / IP65**

◆ Dimensions Drawing
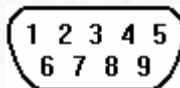

Front View

MT8050i

Bottom View

Rear View

Cutout dimensions:
MT8050i
119mm [4.685"] W x 93mm [3.661"] H

Pin Designations
Pin assignment of the 9 Pin, Male, SUB-D
Com1[RS-232],Com1[RS-485 2w/4w],Com3[RS-485]

Pin#	Com1[RS485]		Com1[RS232]	Com3[RS485]
	4 wire	2 wire		
1	Rx-	Data-		
2	Rx+	Data+		
3	Tx-			
4	Tx+			
5	Signal Ground (GND)			
6			Transmit(TxD)	
7				Data-
8				Data+
9			Receive(RxD)	

Ordering Information

❑ **MT8050i:**
4.3" TFT LCD HMI, 128MB flash memory/64MB DDR2 RAM on board.