MT6050i

◆ *Features*

- 4.3" 480x272 TFT LCD
- Fan-less cooling system
- NEMA4/IP65 compliant front panel
- LED Back Light
- One USB client port
- Power Isolator Inside

【*Introduction*】

MT6000 series is the new HMI generation of Weintek. With the design concept of meeting customers' satisfaction while easy-to-Use attribute as before, a MT6000 not only performs as a Human Machine Interface but also plays as a role of data exchange center. MT6000 series is the best choice for your requirement tomorrow.

The MT6050*i* include a USB 2.0 high speed device.

◆ *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,
  (User project size: 16MB, Data and Event log size: 48MB)
· **I/O:** 1 serial ports: Com1: RS-232/RS-485 2w/4w,
            1 USB 2.0 high speed device
· **Power input:** 24±20%V_{DC},250mA@24VDC
· **Dimension (W x H x D):** 128 x 102 x 38mm
· **Weight:** 0.3kg
· **Software:** EB8000 V3.0.0 or later

◆ *LCD Display*

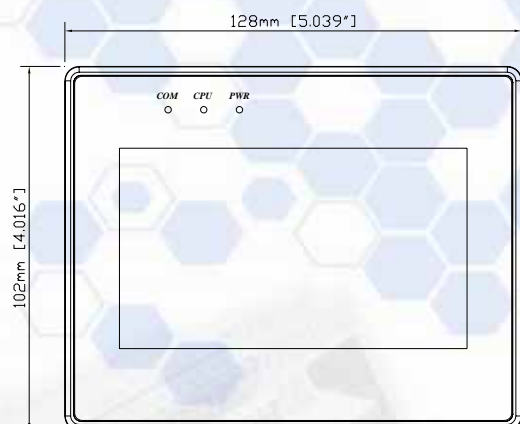| Display type	TFT LCD
Display size (diagonal)	4.3"
Max colors	65536
Resolution	480 x 272
Pixel pitch (HxV, mm)	0.198 x 0.198
Viewing angle (°)	50/70/70/70(T/B/R/L)
Luminance (cd/m^2)	450
Backlight	LED
Backlight Life time	30,000 hrs.
Contrast ratio	500:1

◆ *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
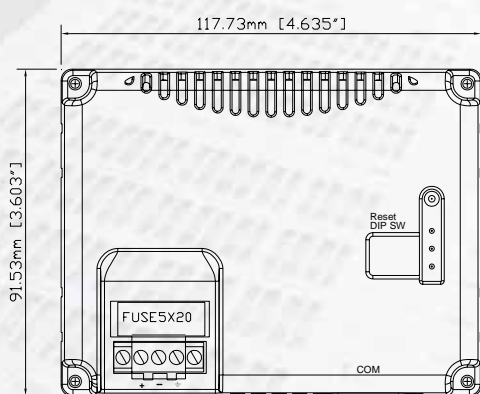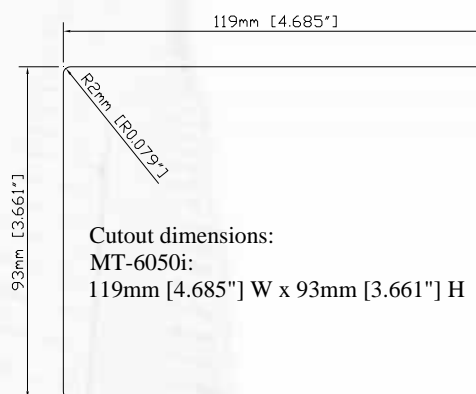· **Front panel meets NEMA4 / IP65**
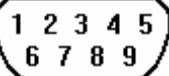
◆ *Dimensions Drawing*

Front View

Bottom View

128mm [5.039"]

102mm [4.016"]

COM CPU PWR

38.25mm [1.506"]

117.73mm [4.635"]

91.53mm [3.603"]

Reset DIP SW

FUSE5X20

COM

Rear View

119mm [4.685"]

93mm [3.661"]

R2mm [R0.079"]

Cutout dimensions:
MT-6050i:
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]

1 2 3 4 5
6 7 8 9

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

Ordering Information
❑ **MT6050*i*:**
4.3" TFT LCD HMI, 128MB flash memory/64MB DDR2 RAM on board.
❑ **RZCMT6100:**
MT6000/8000 *i* series download cable / Mini USB to USB 2.0 100 cm
❑ **RP0005050:**
4.3" Protective Sheet