MT6056i

Features

- 5.6" 320x234 TFT LCD
- Fan-less cooling system
- Built-in flash memory and RTC
- NEMA4/IP65 compliant front panel
- LED Back Light
- One USB client port
- Power Isolator Inside
- COM1[RS485]2W supports MPI 187.5K

【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 MT6056*i* includes a USB 2.0 high speed device.

Specifications

- **Construction:** plastic molding housing
- **Display:** 5.6" 65,536color 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 port: Com1: RS-232/RS-485 2w/4w,
    (Supports MPI 187.5K)
    1 USB 2.0 high speed device
- **RTC:** Built-in
- **Power input:** 24±20%V$_{DC}$,250mA@24VDC
- **Dimension (W x H x D):** 204 x 150 x 48mm
- **Weight:** 0.85kg
- **Software:** EB8000 V3.0.0 or later

LCD Display

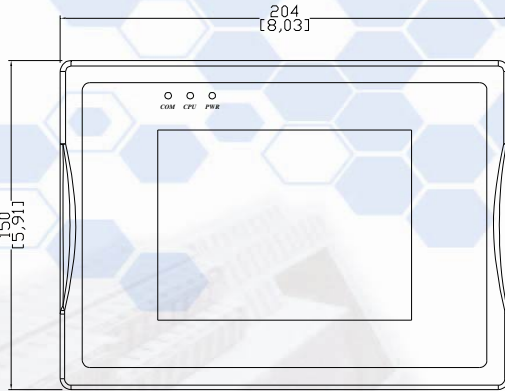| Display type	TFT LCD
Display size (diagonal)	5.6"
Max colors	65536
Resolution	320 x 234
Pixel pitch (HxV, mm)	0.362 x 0.118
Viewing angle (°)	45/65/65/65 (T/B/R/L)
Luminance (cd/m^2)	300
Backlight	LED
Backlight Life time	30,000 hrs.
Contrast ratio	300:1

Touchscreen

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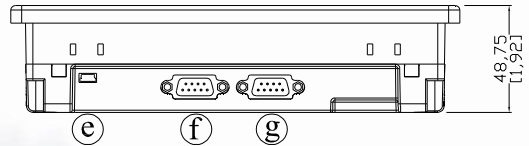- **Life:** 1 million activation minimum

Environmental Specifications

- **Operating temperature:** 0° ~ 50℃ (32° ~ 122℉)
- **Storage temperature:** -20° ~ 60℃ (-4° ~ 140℉)
- **Relative humidity:** 10% ~ 90% @ 40℃, 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
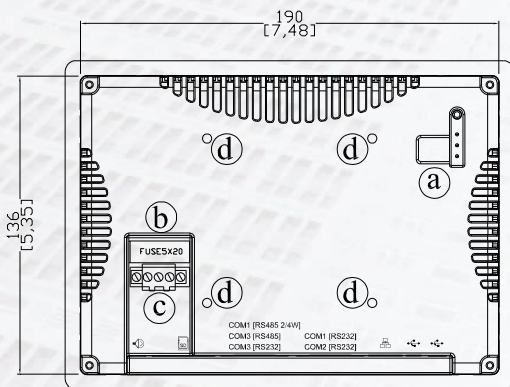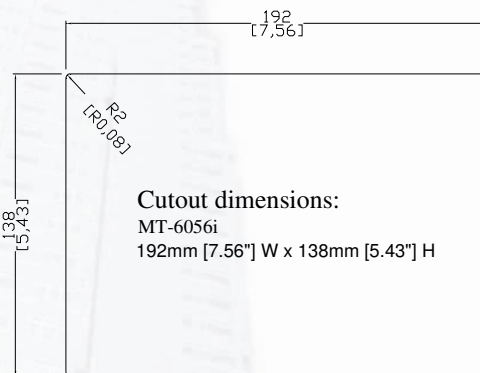- **Front panel meets NEMA4 / IP65**

◆ *Dimensions Drawing*

204
[8,03]

150
[5,91]

COM CPU PWR

Front View

48,75
[1,92]

e   f   g

Bottom View

190
[7,48]

136
[5,35]

FUSE5X20

d   d

a

b

c

d   d

COM1 [RS485 2/4W]
COM3 [RS485]
COM3 [RS232]

COM1 [RS232]
COM2 [RS232]

Rear View

192
[7,56]

138
[5,43]

R2
[R0.08]

Cutout dimensions:
MT-6056i
192mm [7.56"] W x 138mm [5.43"] H

a	DIP SW & Reset button	e	USB Client port
b.	Fuse	f	Com1[RS232]
c.	Power connector	g	Com1[RS485]
d.	VESA 75mm screw holes		

Ordering Information

❑ **MT6056*i*:**
   5.6" 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

Contact: WEINTEK LABS., INC.   TEL: +886-2-22286770   Web:www.weintek.com