MT6100i

Features

- 10" 800x480 TFT LCD
- Fan-less cooling system
- Built-in flash memory and RTC
- NEMA4/IP65 compliant front panel
- LED Back Light
- One USB Host and one USB client port
- SD card slot
- 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 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.

The MT6100i is equipped with a USB 1.1 host, a USB 2.0 high speed device and SD card slot.

Specifications

· **Construction:** plastic molding housing
· **Display: 10**" 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:** 3 serial ports : Com1 : RS-232/RS-485 2w/4w,
                  Com2 : RS-232,
                  Com3 : RS-232/RS-485 2w
              1 USB 1.1 host
              1 USB 2.0 high speed device
· **RTC:** Built-in
· **Power input:** $24\pm20\%V_{DC}$,300mA@24VDC
· **Dimension (W x H x D):** 271 x 212 x 50mm
· **Weight:** 1.4kg
· **Software:** EB8000 V2.0.0 or later

LCD Display

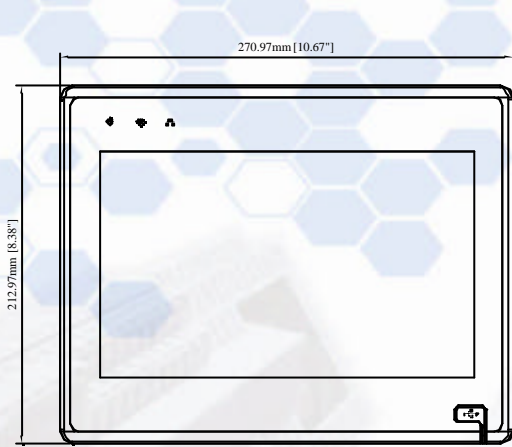| Display type	TFT LCD
Display size (diagonal)	10"
Max colors	65536
Resolution	800 x 480
Viewing angle (°)	45/65/65/65(T/B/R/L)
Luminance (cd/m^2)	350
Backlight	LED
Backlight Life time	30,000 hrs.
Contrast ratio	300:1

Touchscreen

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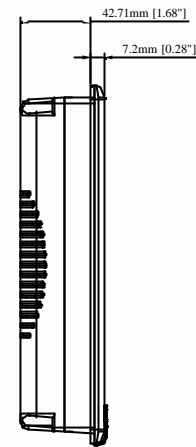· **Life:** 1 million activation minimum

Environmental Specifications

· **Operating temperature:** 0° ~ 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
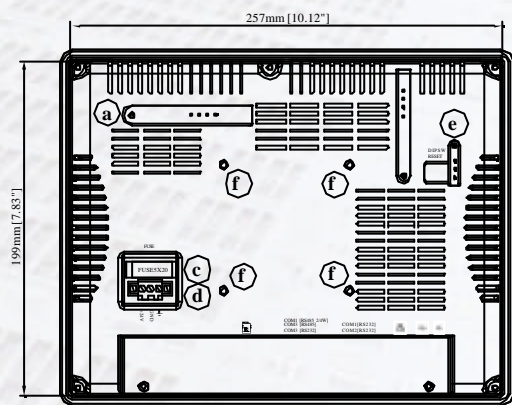· **Front panel meets NEMA4 / IP65**
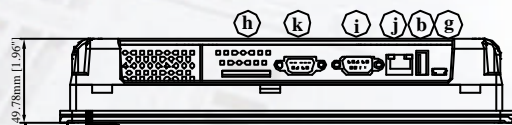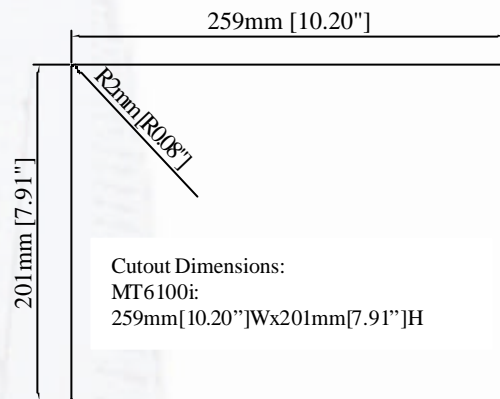
Dimensions Drawing

270.97mm [10.67"]

212.97mm [8.38"]

Front View

42.71mm [1.68"]

7.2mm [0.28"]

Side View

257mm [10.12"]

199mm [7.83"]

FUSE5X20

COM1 [RS485 2-W]
COM1 [RS485]
COM3 [RS232]

COM1[RS232]
COM2[RS232]

Rear View

259mm [10.20"]

R2mm[R0.08"]

201mm [7.91"]

Cutout Dimensions:
MT6100i:
259mm[10.20"]Wx201mm[7.91"]H

49.78mm [1.96"]

Bottom View

a	N/A	f	VESA 75mm screw holes
b.	USB Host port	g	USB Device port
c.	Fuse	h	SD card slot
d.	Power connector	I	Com1[232], Com2[232]
e	DIP SW & Reset button	j	N/A
		k	Com1 RS485, Com3 RS485, Com3 RS232

Ordering Information

❑ **MT6100i:**
   10" 800x480 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