

## Human Machine Interface with 7" TFT LCD display



### 【 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 MT6070iH3 is equipped with a USB 1.1 host, and a USB 2.0 high speed device.

### ◆ Specifications

- **Construction:** plastic molding housing
- **Display:** 7" 800 x 480 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,
- **I/O:** serial port: Com1: RS-232/RS-485 2w/4w,  
Com2: RS-232  
Com3: RS-232/RS-485  
1 USB 1.1 host  
1 USB 2.0 high speed device
- **RTC:** Built-in
- **Power input:** 24±20%V<sub>DC</sub>,250mA@24VDC
- **Dimension (W x H x D):** 200 x 146 x 42.5mm
- **Weight:** 0.85kg
- **Software:** EB8000 V2.0.0 or later

### ◆ Features

- 7" 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
- Power Isolator inside
- Com1 RS485 and Com3 RS485 support MPI 187.5K, please select one to use at one time

### ◆ LCD Display

Display type	TFT LCD
Display size (diagonal)	7"
Max colors	65536
Resolution	800 x 480
Pixel pitch (HxV, mm)	0.1926 x 0.179
Viewing angle (°)	50/70/70/70(T/B/R/L)
Luminance (cd/m <sup>2</sup> )	350
Backlight	LED
Backlight Life time	30,000 hrs.
Contrast ratio	500:1

### ◆ Touchscreen

- **Type:** 4-wire, analog resistive
- **Accuracy:** Active Area Length(X)±2%, Width(Y)±2%
- **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 61000-3-2:2006  
EN 61000-3-3:1995+A1:2001+A2:2005  
EN 55024:1998+A1:2001+A2:2003
- **Front panel meets NEMA4 / IP65**

## ◆ Dimensions Drawing



a	DIP SW & Reset Button	e	Com1 RS485 Com3 RS232 Com3 RS485
b	Fuse	f	Com1 RS232 Com2 RS232
c	Power Connector	g	USB Host Port
d	VESA 75mm Screw Holes	h	USB Client Port

## Ordering Information

### □ MT6070iH3:

7" 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