

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_{DC},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 ²) | 350 |
| Backlight | LED |
| Backlight Life time | 30,000 hrs. |
| Contrast ratio | 500:1 |

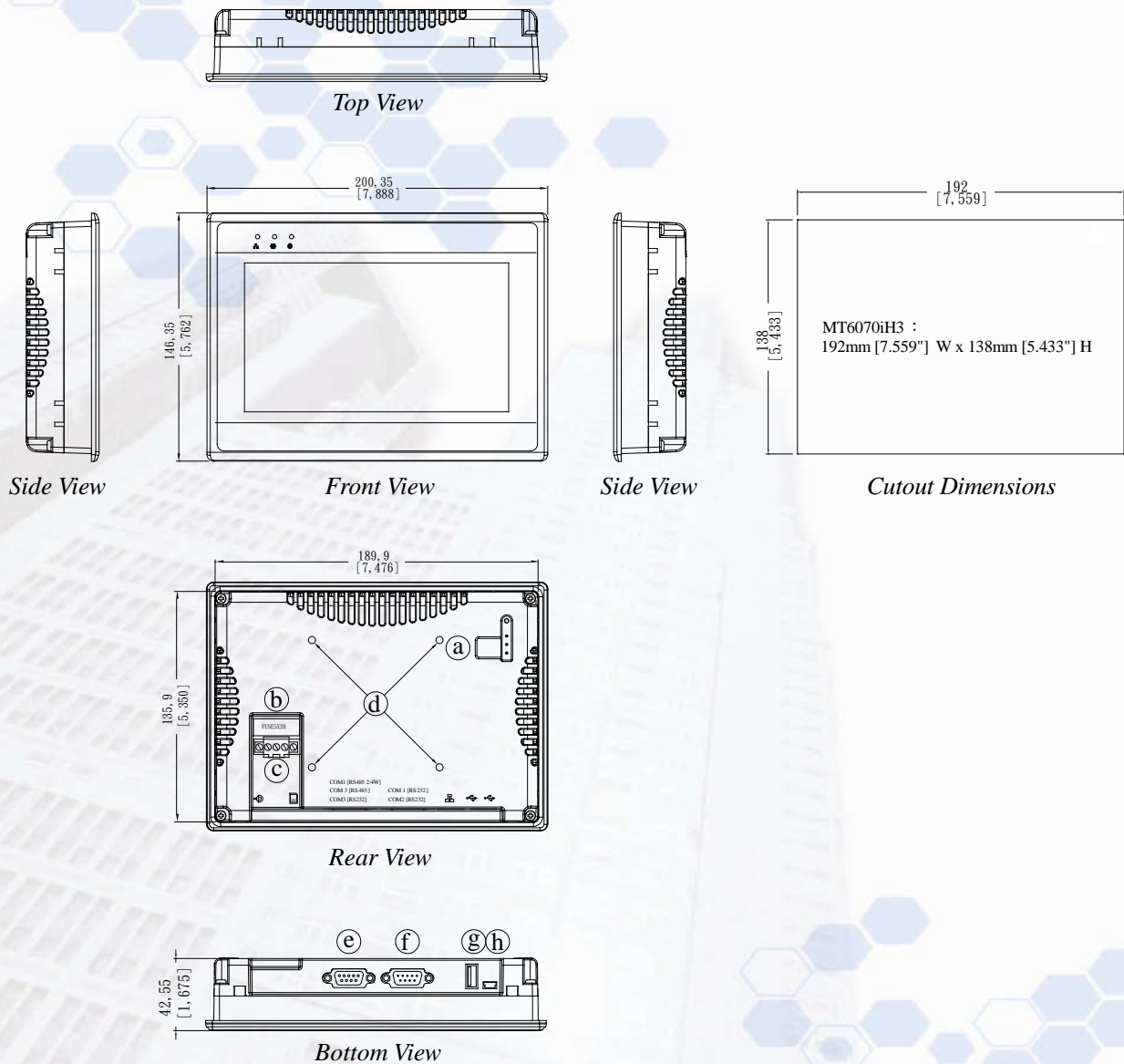
◆ Touchscreen

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

◆ Environmental Specifications

- **Operating temperature:** 0° ~ 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