# WEINTEK

# MT8070iH

## Human Machine Interface with 7" TFT LCD display



### ◆ 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
- SD card slot
- Power Isolator inside
- Com1 RS485 & Com3 RS485 support MPI 187.5K (Not allowed to use both simultaneously)

## 【 Introduction 】

MT8000 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 MT8070iH 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:** 7" 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 ports:Com1: RS-232/RS-485 2w/4w,
  - Com2: RS-232,
  - Com3: RS-232/RS-485 2w
  - 1 Ethernet port (10/100Base-T)
  - 1 USB 1.1 host
  - 1 USB 2.0 high speed device
- **Sound output:** Line out
- **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

## ◆ LCD Display

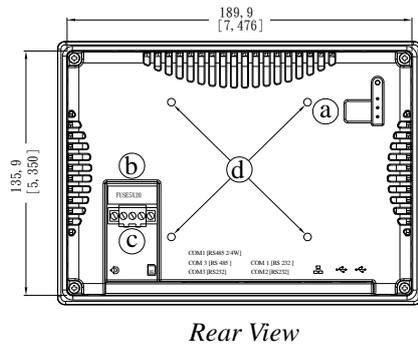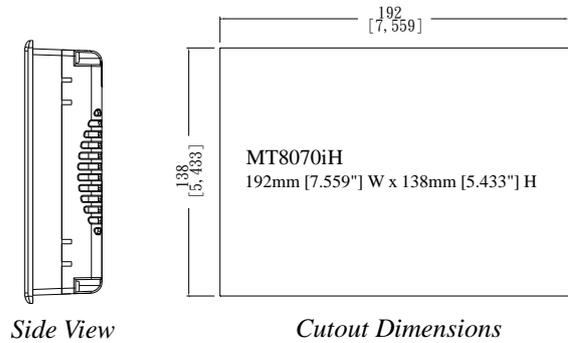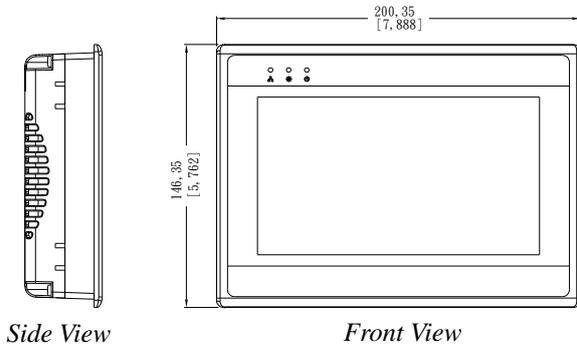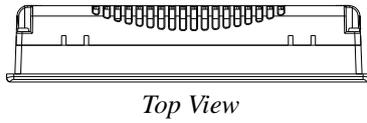| Display type | TFT LCD |
|---|---|
| Display size (diagonal) | 7" |
| Max colors | 65536 |
| Resolution | 800 x 480 |
| Pixel pitch (HxV, mm) | 0.1905 x 0.0635 |
| Viewing angle (°) | 50/60/65/65 (T/B/R/L) |
| Luminance (cd/m$^2$) | 500 |
| Backlight | LED |
| Backlight Life time | 30,000 hrs. |
| 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*



*Top View*



*Side View*　　*Front View*　　*Side View*　　*Cutout Dimensions*

MT8070iH
192mm [7.559"] W x 138mm [5.433"] H



*Rear View*



MT607iV
MT8070iH

*Bottom View*
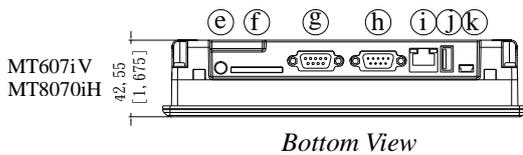
| a | DIP SW & Reset button | g | Com1 RS485, Com3 RS485, Com3 RS232 |
|---|---|---|---|
| b. | Fuse | h | Com1 RS232, Com2 RS232 |
| c. | Power connector | i | Ethernet port |
| d | VESA 75mm screw holes | j | USB Host port |
| e | Line Out | k | USB Client port |
| f | SD card slot | | |

## *Ordering Information*

❏ **MT8070iH:**
   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