

MT8104iH

Human Machine Interface
with 10.4" TFT LCD display



【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 MT8104iH 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:** 10.4" 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, Recipe memory RW: 64KWord, RW_A:64KWord)
- **I/O:** 3 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}, 400mA@24VDC
- **Dimension (W x H x D):** 286 x 212 x 50mm
- **Weight:** 1.6kg
- **Software:** EB8000 V3.4.0 or later

◆ Features

- 10.4" 800x600 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 supports MPI 187.5K

◆ LCD Display

| Display type | TFT LCD |
|--------------------------------|----------------------|
| Display size (diagonal) | 10.4" |
| Max colors | 65536 |
| Resolution | 800 x 600 |
| 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 | 500:1 |

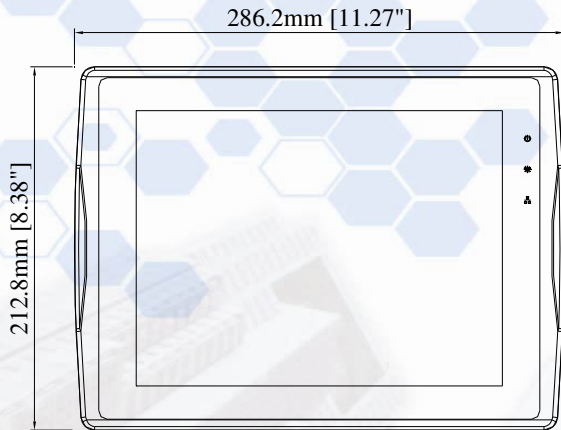
◆ Touchscreen

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

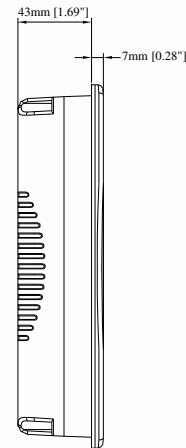
◆ Environmental Specifications

- **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+A1:2007, 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**

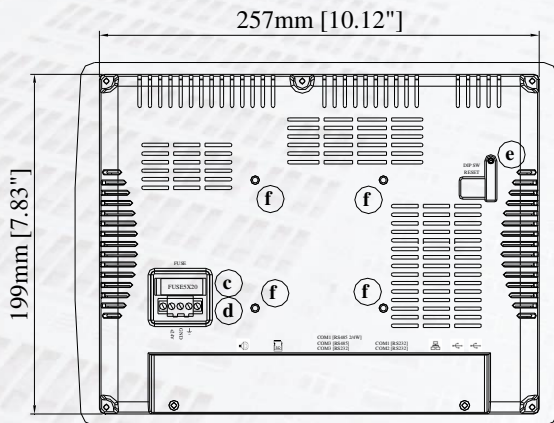
◆ Dimensions Drawing



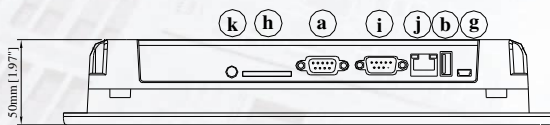
Front View



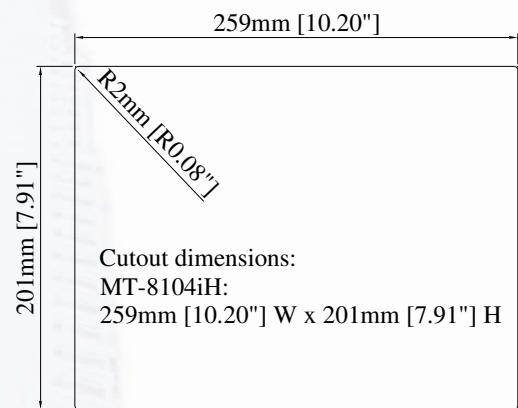
Side View



Rear View



Bottom View



| | | | |
|---|------------------------------------|---|------------------------|
| a | Com1 RS485, Com3 RS485, Com3 RS232 | f | VESA 75mm screw holes |
| b | USB Host port | g | USB Client port |
| c | Fuse | h | SD card slot |
| d | Power connector | i | Com1 RS232, Com2 RS232 |
| e | DIP SW & Reset button | j | Ethernet port (RJ-45) |
| | | k | Line out |

Ordering Information

- MT8104iH:**
 10.4" 800x600 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
- RP0006100:**
 10.4" Protective Sheet