

# 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<sub>DC</sub>, 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

### ◆◆ CD 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 <sup>2</sup> )	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

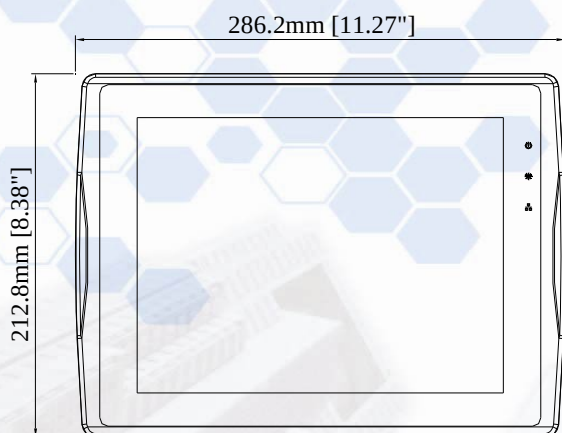
EN 61000-3-2:2006

EN 61000-3-3:1995+A1:2001+A2:2005

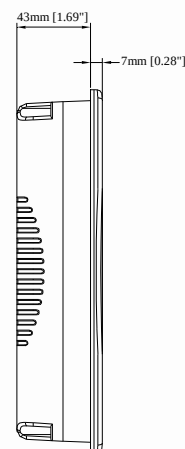
EN 55024: 1998+A1: 2001+A2: 2003

Front panel meets NEMA4 / IP65

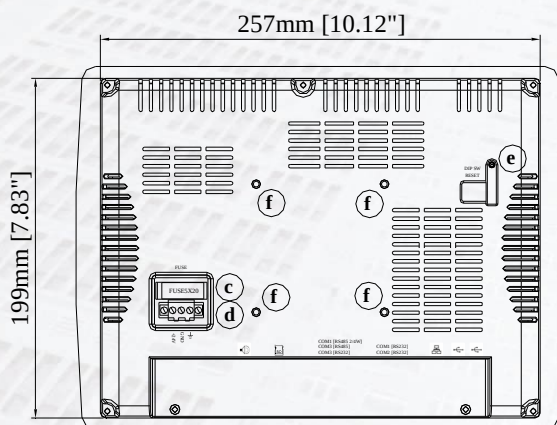
## ◆ Dimensions Drawing



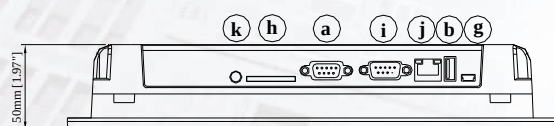
Front View



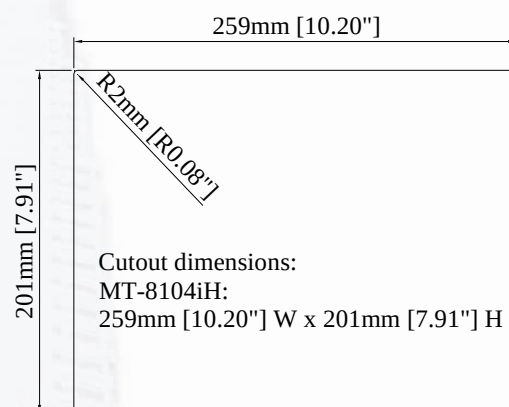
Side View



Rear View



Bottom View



Cutout dimensions:

MT-8104iH:

259mm [10.20"] W x 201mm [7.91"] H

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