MT8070iH

◆ 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

【*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:** 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:** $24\pm20\%V_{DC}$,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

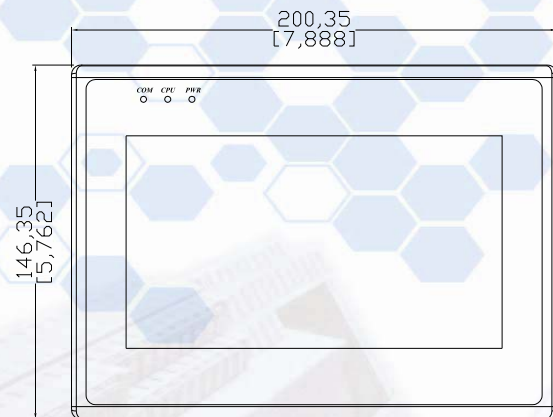| Display type	TFT LCD
Display size (diagonal)	7"
Max colors	65536
Resolution	800 x 480
Pixel pitch (HxV, mm)	0.1905 x 0.0635
Viewing angle (°)	70/50/70/70(T/B/R/L)
Luminance (cd/m^2)	300
Backlight	LED
Backlight Life time	30,000 hrs.
Contrast ratio	500:1

◆ Touchscreen

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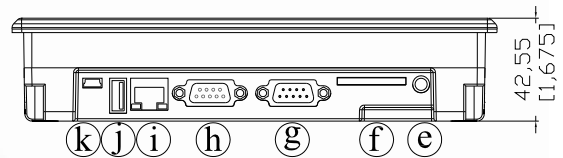- **Life:** 1 million activation minimum

◆ Environmental Specifications

- **Operating temperature:** 0° ~ 45°C (32° ~ 113°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
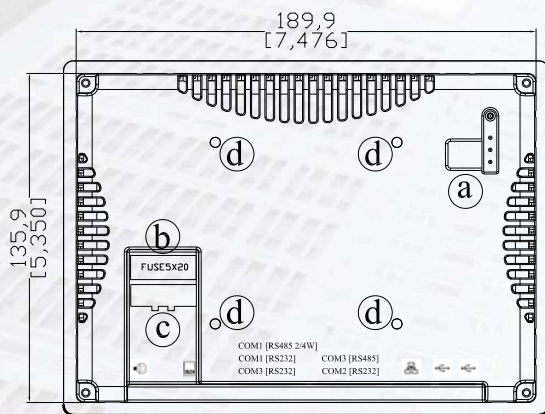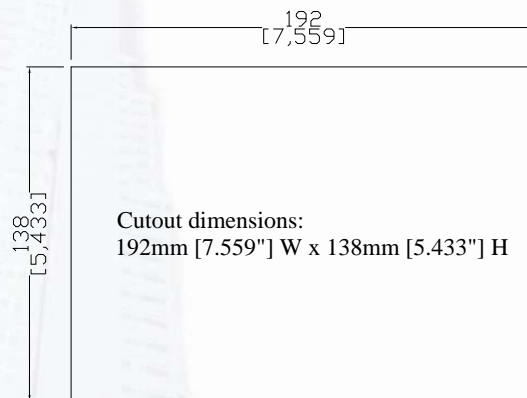- **Front panel meets NEMA4 / IP65**

◆ *Dimensions Drawing*

200,35
[7,888]

146,35
[5,762]

COM CPU PWR

Front View

42,55
[1,675]

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Bottom View

189,9
[7,476]

135,9
[5,350]

FUSE 5X20

COM1 [RS485 2/4W]
COM1 [RS232]   COM3 [RS485]
COM3 [RS232]   COM2 [RS232]

ⓐ ⓑ ⓒ ⓓ ⓓ

Rear View

192
[7,559]

138
[5,433]

Cutout dimensions:
192mm [7.559"] W x 138mm [5.433"] H

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

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

❑ **RP0080700:**
   7" Protective Sheet, for MT607, 6070, 8070