MMI8070H

7" Color Graphic Display Panel and Touch Screen

- **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

MMI8070H series is part of the the new MMI8000 Series from KEP. Based on the design concept of meeting customers' satisfaction with easy-to-use attributes. The MMI8070H not only performs as a Human Machine Interface but also plays the role of a data exchange center. Data can be shared among MMI8000 series through Ethernet connections. SCADA/HMI software running on on a PC can access data from the MMI8070H. The MT8070H features include a USB 1.1 host, a mini-USB 2.0 high speed device and SD card slot.

General 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
- RTC: Built-in
- Power input: 24±20%VDC,250mA@24VDC
- Dimension (W x H x D): 200 x 146 x 42.5mm
- Weight: 0.85kg
- Software: EB8000 V2.0.0 or later

Display

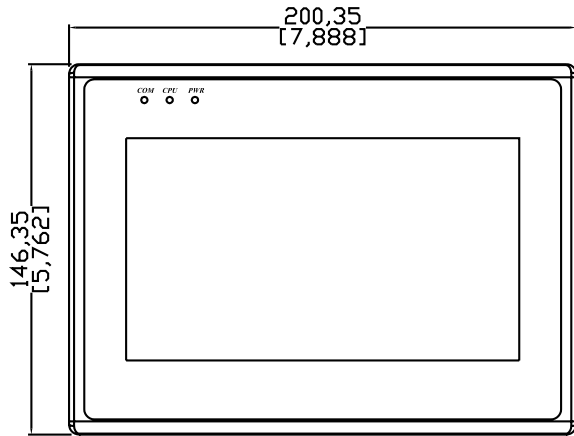| Display type	TFT LCD
Display size (diagonal)	7"
Max colors	65536
Resolution	800 x 480
Pixel pitch (HxV, mm)	0.1905 x 0.0635
Viewing angle (°)	70/50/70/70(T/B/R/L)
Luminance (cd/m^2)	300
Backlight	LED
Backlight Life time	30,000 hrs.
Contrast ratio	500:1

Touchscreen

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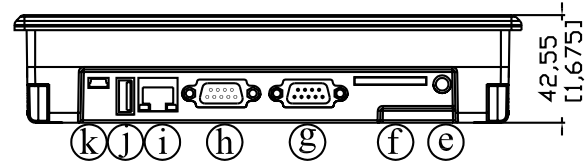
Environmental Specifications

- Operating temperature: 0° ~ 45°C (32° ~ 113°F)
- Relative humidity: 10% ~ 90% @ 40°C, non-condensing
- Shock (operation): 10 to 25Hz(X,Y,Z direction 2G 30minutes)
- EMI: Complies with FCC class A
- CE: Complies with EN50081-2 and EN50082-2 standards
- Front panel meets NEMA4 / IP65

Installation Guide Dimensions are in mm (inches)

200,35
[7,888]

COM CPU PWR

146,35
[5,762]

Front View

42,55
[1,675]

k j i   h   g   f e

Bottom View

189,9
[7,476]

135,9
[5,350]

FUSE5x20

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

Rear View

192
[7,559]

138
[5,433]

Cutout dimensions:
192mm [7.559"] W x 138mm [5.433"] H
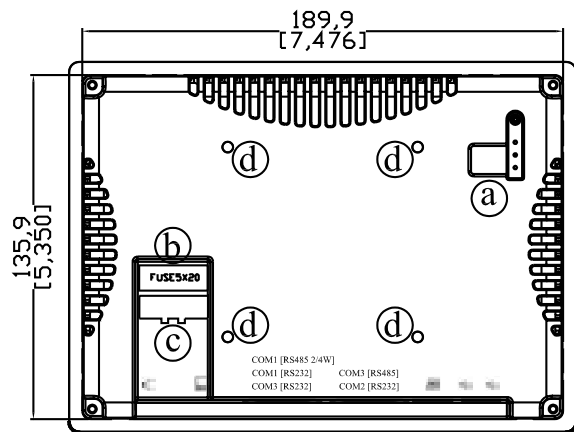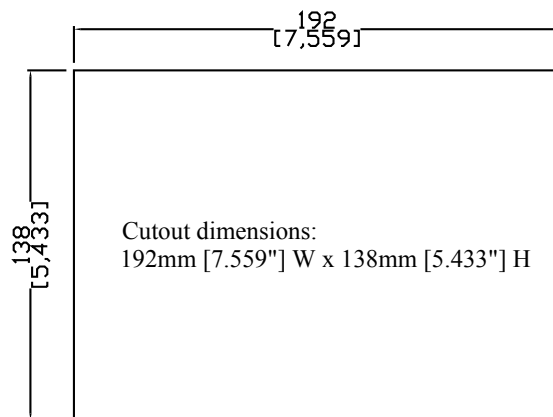
a	DIP SW & Reset button	e	N/A
b.	Fuse	f	SD card slot
c.	Power connector	g	Com1[232], Com2[232]
d.	VESA 75mm screw holes	h	Com1 RS485, Com3 RS485, Com3 RS232
		I	Ethernet port (RJ-45)
		j	USB Host port
		k	USB Device port

Ordering Information

Part Number	Description
MMI8070H	Graphic Interface with 7" Color LCD display and Touchscreen with 128MB flash memory/64MB DDR2 RAM on board. Setup software for programming included