

# MT6050i

## Human Machine Interface with 4.3" TFT LCD display



### **【 Introduction 】**

MT6000 series is the new HMI generation of Weintek. With the design concept of meeting customers' satisfaction while easy-to-Use attribute as before, a MT6000 not only performs as a Human Machine Interface but also plays as a role of data exchange center. MT6000 series is the best choice for your requirement tomorrow.

The MT6050i includes include a USB 2.0 high speed device.

### **Specifications**

- **Construction:** plastic molding housing
- **Display:** 4.3" 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)
- **I/O:** 1 serial ports:Com1: RS-232/RS-485 2w/4w,  
1 USB 2.0 high speed device
- **RTC:** N/A
- **Power input:** 24±20%V<sub>DC</sub>,250mA@24VDC
- **Dimension (W x H x D):** 128 x 102 x 38mm
- **Weight:** 0.3kg
- **Software:** EB8000 V3.0.0 or later

### **Features**

- 4.3" 480x272 TFT LCD
- Fan-less cooling system
- NEMA4/IP65 compliant front panel
- LED Back Light
- One USB client port
- Power Isolator Inside

### **LCD Display**

Display type	TFT LCD
Display size (diagonal)	4.3"
Max colors	65536
Resolution	480 x 272
Pixel pitch (HxV, mm)	0.198 x 0.198
Viewing angle (°)	50/70/70/70(T/B/R/L)
Luminance (cd/m <sup>2</sup> )	450
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**

**WEINVIEW Distributor:**

**Easycom Automation Co.**

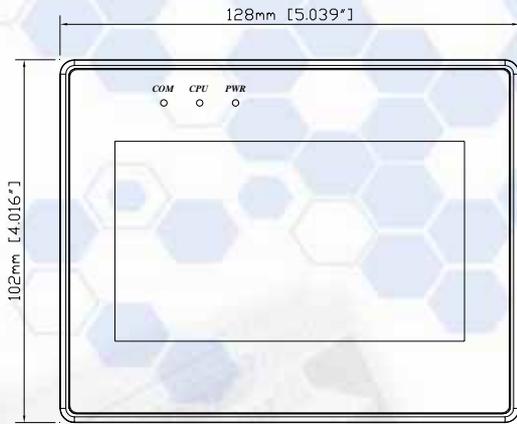
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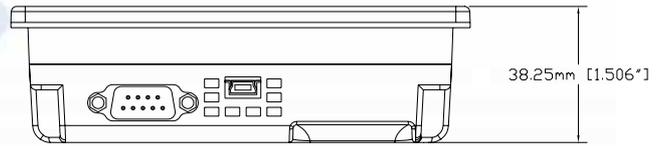
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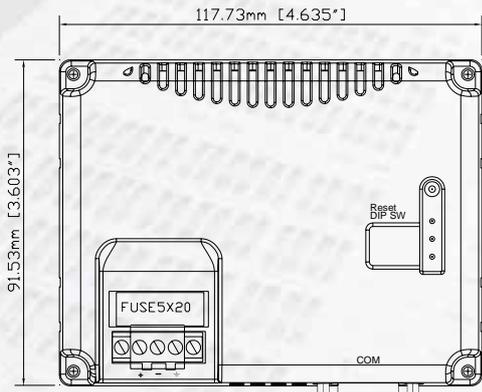
**Dimensions Drawing**



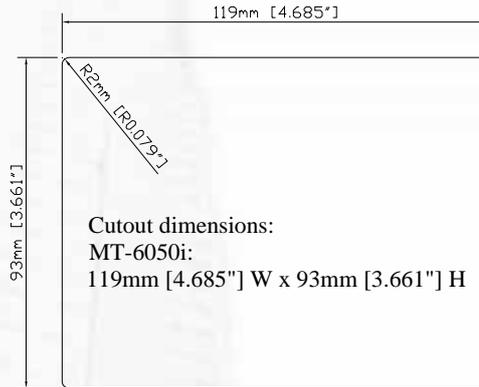
**Front View**



**Bottom View**

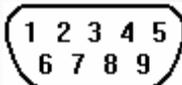


**Rear View**



**Pin Designations**

Pin assignment of the 9 Pin, Male, SUB-D  
Com1[RS-232], Com1[RS-485 2w/4w]



Pin#	Symbol	Com1[RS485] 4 wire	Com1[RS485] 2 wire	Com1[RS232]
1	Rx-	Rx-	Data-	
2	Rx+	Rx+	Data+	
3	Tx-	Tx-		
4	Tx+	Tx+		
5	GND			
6	TxD			Transmit
7				
8				
9	RxD			Receive

**Ordering Information**

- ❑ **MT6050i:**  
4.3" 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
- ❑ **RP0005050:**  
4.3" Protective Sheet

# MT6056i

Human Machine Interface  
with 5.6" TFT LCD display



## Features

- 5.6" 320x234 TFT LCD
- Fan-less cooling system
- Built-in flash memory and RTC
- NEMA4/IP65 compliant front panel
- LED Back Light
- One USB client port
- Power Isolator Inside

## 【 Introduction 】

MT6000 series is the new HMI generation of Weintek. With the design concept of meeting customers' satisfaction while easy-to-Use attribute as before, a MT6000 not only performs as a Human Machine Interface but also plays as a role of data exchange center. MT6000 series is the best choice for your requirement tomorrow.

The MT6056i includes include a USB 2.0 high speed device.

## Specifications

- **Construction:** plastic molding housing
- **Display:** 5.6" 65,536color 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)
- **I/O:** serial ports:Com1: RS-232/RS-485 2w/4w,  
1 USB 2.0 high speed device
- **RTC:** Built-in
- **Power input:** 24±20%V<sub>DC</sub>,250mA@24VDC
- **Dimension (W x H x D):** 204 x 150 x 48mm
- **Weight:** 0.85kg
- **Software:** EB8000 V3.0.0 or later

## LCD Display

Display type	TFT LCD
Display size (diagonal)	5.6"
Max colors	65536
Resolution	320 x 234
Pixel pitch (HxV, mm)	0.362 x 0.118
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	300:1

## 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**

**WEINVIEW Distributor:**

**Easycom Automation Co.**

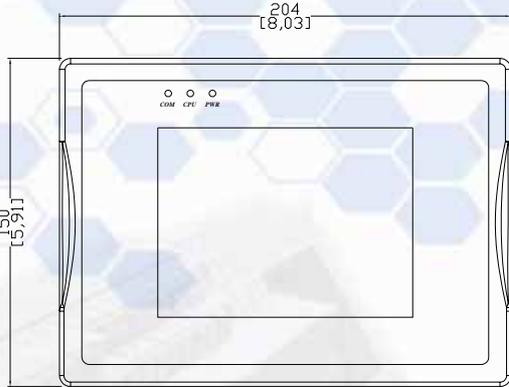
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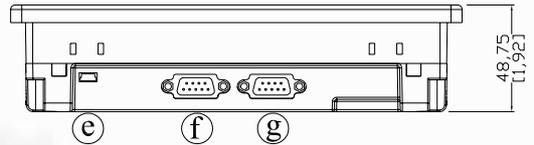
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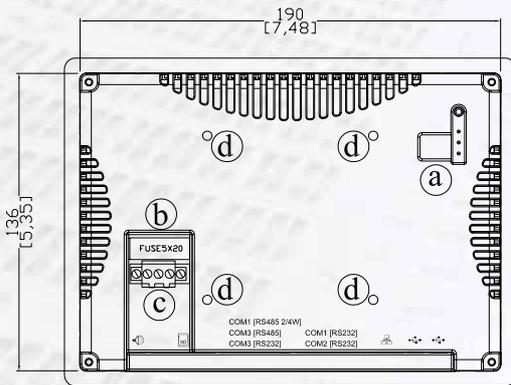
**Dimensions Drawing**



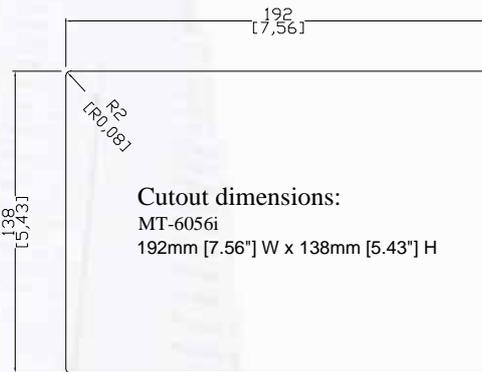
**Front View**



**Bottom View**



**Rear View**



a	DIP SW & Reset button	e	USB Device port
b	Fuse	f	Com1[RS232]
c	Power connector	g	Com1[RS485]
d	VESA 75mm screw holes		

**Ordering Information**

- MT6056i:**  
5.6" 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
- RP2005060:**  
5.6" Protective Sheet

# MT6070iH

Human Machine Interface  
with 7" TFT LCD display



## 【Introduction】

MT6000 series is the new HMI generation of Weintek. With the design concept of meeting customers' satisfaction while easy-to-Use attribute as before, a MT6000 not only performs as a Human Machine Interface but also plays as a role of data exchange center. MT6000 series is the best choice for your requirement tomorrow.

The MT6070iH is equipped with a USB 1.1 host, a USB 2.0 high speed device.

## ◆ 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 USB 1.1 host  
1 USB 2.0 high speed device
- **RTC:** Built-in
- **Power input:** 24±20%V<sub>DC</sub>, 250mA@24VDC
- **Dimension (W x H x D):** 200 x 146 x 42.5mm
- **Weight:** 0.85kg
- **Software:** EB8000 V2.0.0 or later

## ◆ 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
- Power Isolator inside

## ◆ 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 <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° ~ 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**

**WEINVIEW Distributor:**

**Easycom Automation Co.**

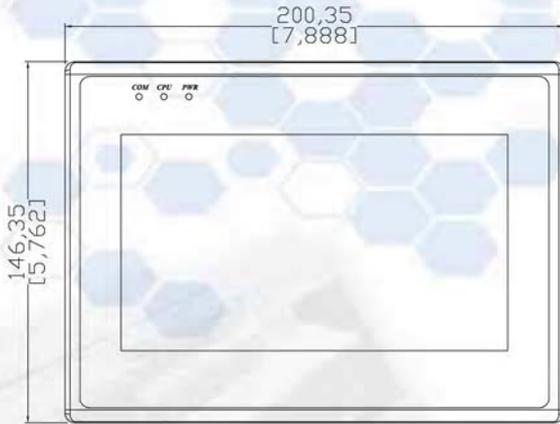
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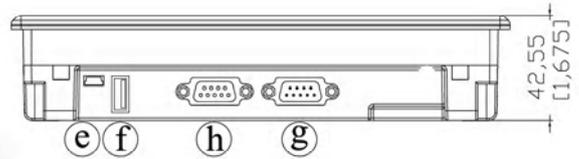
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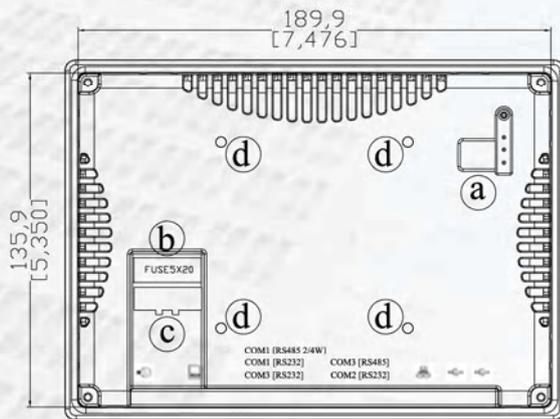
**◆ Dimensions Drawing**



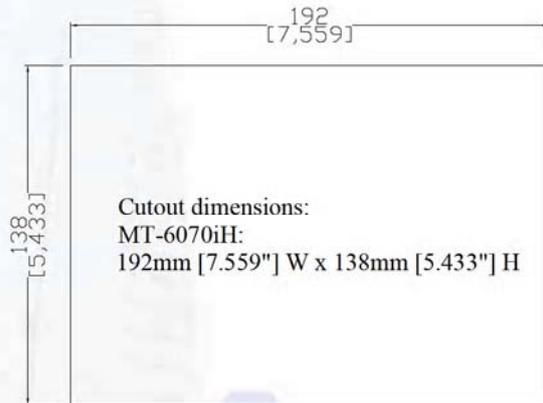
**Front View**



**Bottom View**



**Rear View**



a	DIP SW & Reset button	e	USB Device port
b	Fuse	f	USB Host port
c	Power connector	h	Com1[232], Com2[232]
d	VESA 75mm screw holes	g	Com1 RS485, Com3 RS485, Com3 RS232

**Ordering Information**

- ❑ **MT6070iH:**  
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
- ❑ **PS506:**  
5.6" Protective Sheet, for MT506,606, 607, 6056, 6070, 8056,8070

# MT6100i

Human Machine Interface  
with 10" TFT LCD display



## Features

- 10" 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 】

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The MT6100i 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" 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)
- **I/O:** 3 serial ports: Com1: RS-232/RS-485 2w/4w,  
Com2: RS-232,  
Com3: RS-232/RS-485 2w  
1 USB 1.1 host  
1 USB 2.0 high speed device
- **RTC:** Built-in
- **Power input:** 24±20%V<sub>DC</sub>, 300mA@24VDC
- **Dimension (W x H x D):** 271 x 212 x 50mm
- **Weight:** 1.4kg
- **Software:** EB8000 V2.0.0 or later

## LCD Display

Display type	TFT LCD
Display size (diagonal)	10"
Max colors	65536
Resolution	800 x 480
Viewing angle (°)	45/65/65/65(T/B/R/L)
Luminance (cd/m <sup>2</sup> )	350
Backlight	LED
Backlight Life time	30,000 hrs.
Contrast ratio	300:1

## 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**

**WEINVIEW Distributor:**

**Easycom Automation Co.**

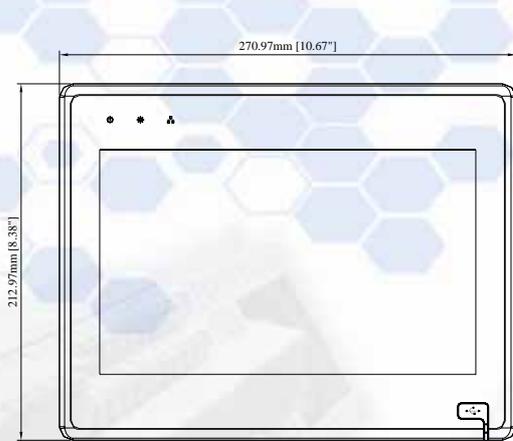
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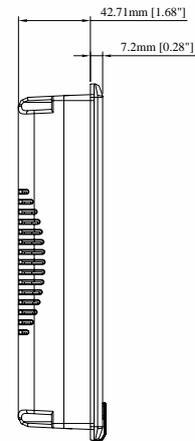
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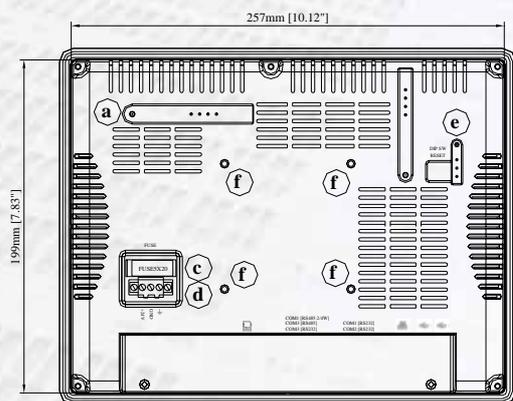
## Dimensions Drawing



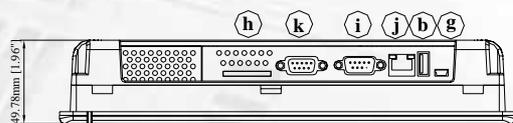
Front View



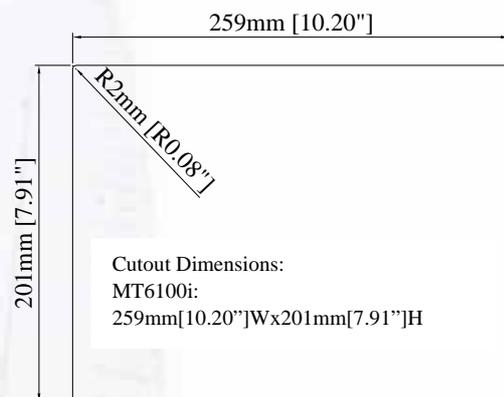
Side View



Rear View



Bottom View



Cutout Dimensions:

MT6100i:

259mm[10.20"]Wx201mm[7.91"]H

a	N/A	f	VESA 75mm screw holes
b	USB Host port	g	USB Device port
c	Fuse	h	SD card slot
d	Power connector	i	Com1[232], Com2[232]
e	DIP SW & Reset button	j	N/A
		k	Com1 RS485, Com3 RS485, Com3 RS232

## Ordering Information

### MT6100i:

10" 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

# MT8070iH

Human Machine Interface  
with 7" 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 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
- **RTC:** Built-in
- **Power input:** 24±20%V<sub>DC</sub>, 250mA@24VDC
- **Dimension (W x H x D):** 200 x 146 x 42.5mm
- **Weight:** 0.85kg
- **Software:** EB8000 V2.0.0 or later

## 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

## 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 <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° ~ 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**

**WEINVIEW Distributor:**

**Easycom Automation Co.**

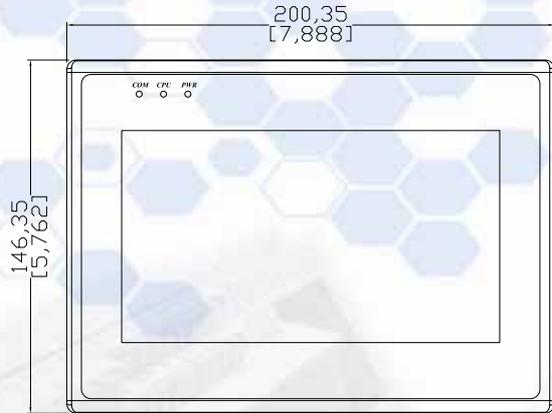
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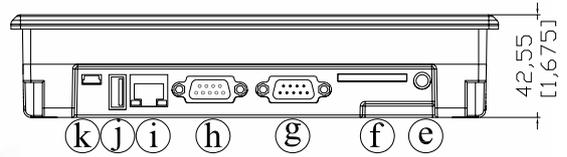
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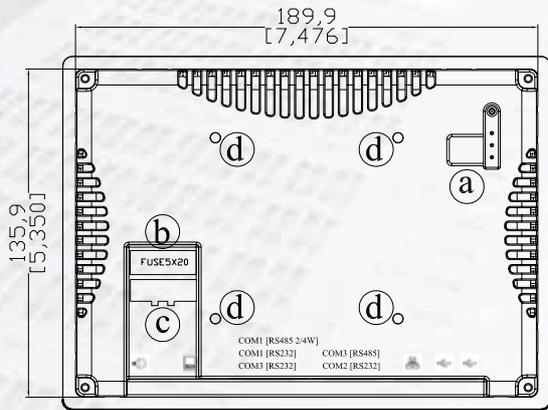
**Dimensions Drawing**



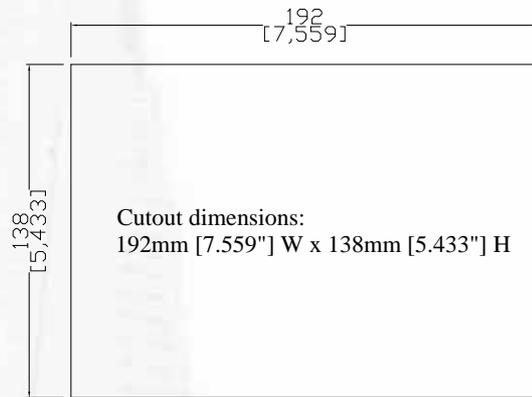
**Front View**



**Bottom View**



**Rear View**



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**

- 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

# MT8100i

Human Machine Interface  
with 10" 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 MT8100i 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" 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)
- **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%V<sub>DC</sub>, 300mA@24VDC
- **Dimension (W x H x D):** 271 x 212 x 50mm
- **Weight:** 1.4kg
- **Software:** EB8000 V2.0.0 or later

## Features

- 10" 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

## LCD Display

Display type	TFT LCD
Display size (diagonal)	10"
Max colors	65536
Resolution	800 x 480
Viewing angle (°)	45/65/65/65(T/B/R/L)
Luminance (cd/m <sup>2</sup> )	350
Backlight	LED
Backlight Life time	30,000 hrs.
Contrast ratio	300:1

## 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**

**WEINVIEW Distributor:**

**Easycom Automation Co.**

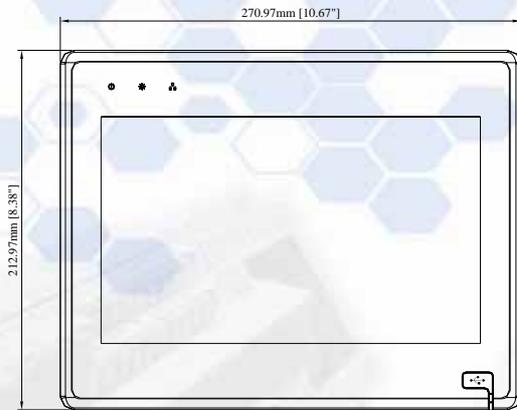
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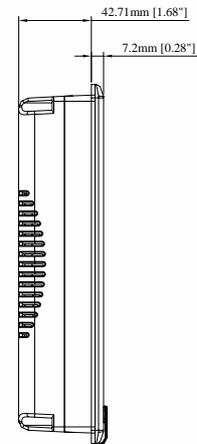
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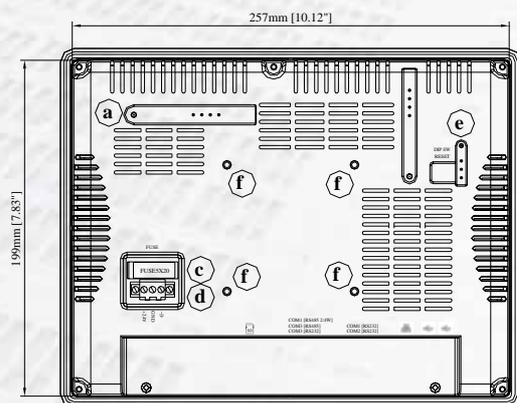
## Dimensions Drawing



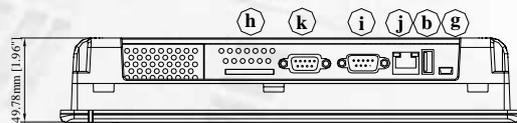
Front View



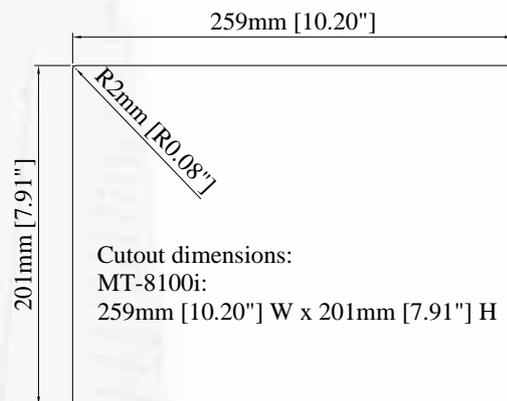
Side View



Rear View



Bottom View



a	N/A	f	VESA 75mm screw holes
b	USB Host port	g	USB Device port
c	Fuse	h	SD card slot
d	Power connector	i	Com1[232], Com2[232]
e	DIP SW & Reset button	j	Ethernet port (RJ-45)
		k	Com1 RS485, Com3 RS485, Com3 RS232

## Ordering Information

### MT8100i:

10" 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

# MT8056T

Human Machine Interface  
with 5.6" 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.

## Specifications

- **Construction:** plastic molding housing
- **Display:** 5.6" color TFT LCD
- **CPU and core logic:** 32Bit RISC processor
- **DRAM:** 64 MB on board
- **Storage:** 32 MB flash memory on board,  
1 CompactFlash™ card slot.
- **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)  
2 USB 2.0 full-speed host (12Mbps)
- **Sound output:** N/A
- **RTC:** Built-in
- **Power input:** 12~24 V<sub>DC</sub>, 410mA@12VDC  
220mA@24VDC
- **Dimension (W x H x D):** 204 x 150 x 48mm
- **Weight:** 0.85kg
- **Software:** EB8000 V1.3.0 or later

## Features

- 5.6" 320x234 TFT LCD
- Fan-less cooling system
- Built-in flash memory and RTC
- NEMA4/IP65 compliant front panel
- One CompactFlash™ slot
- LED Back Light

## LCD Display

Display type	TFT LCD
Display size (diagonal)	5.6"
Max colors	65536
Resolution	320 x 234
Pixel pitch (HxV, mm)	0.362 x 0.118
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	300:1

## Touchscreen

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

## Environmental Specifications

- **Operating temperature:** -10° ~ 45°C (14° ~ 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**

**WEINVIEW Distributor:**

**Easycom Automation Co.**

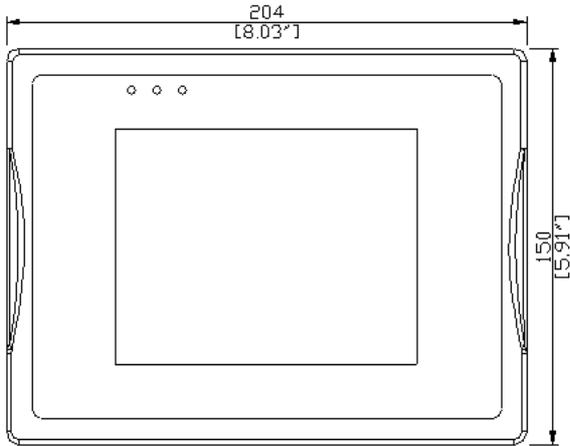
Tel:+86-20-38473560 Fax:+86-20-38473550

Add. Hubiao Sq,Tianhe,Guangzhou, China

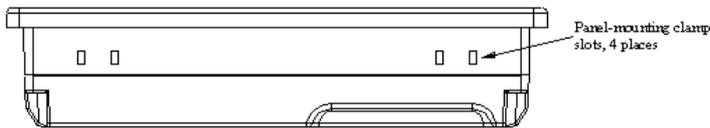
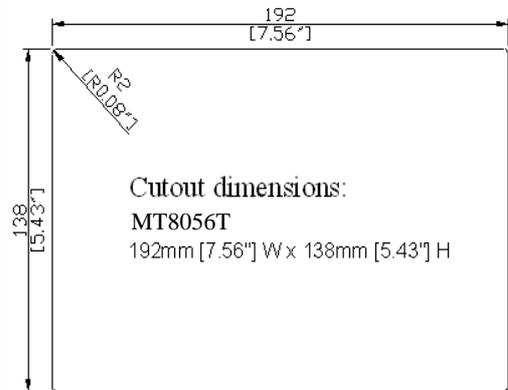
Email: [info@gzeasycom.com](mailto:info@gzeasycom.com)

<http://www.gzeasycom.com>

**Dimensions Drawing**

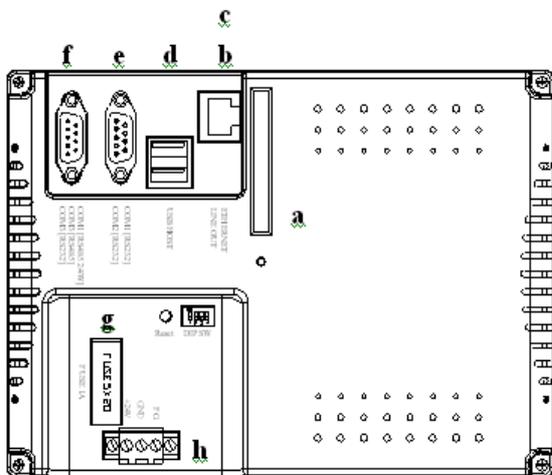
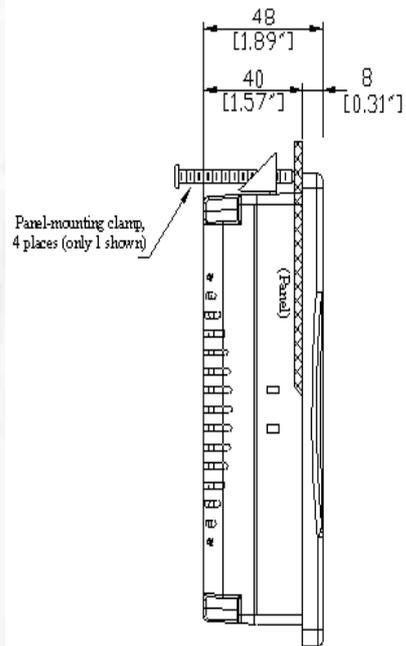


**Front View**



**Bottom View**

**Side View**



**Rear View**

a	CompactFlash™ slot	e	Com1[232], Com2[232]
b	N/A	f	Com1[422/485], Com3[485]
c	Ethernet port (RJ-45)	g	Fuse
d	USB Host	h	Power connector

**Ordering Information**

- **MT8056T1:**  
5.6" TFT LCD HMI, 32MB flash memory/64MB DRAM on board.
- **PS506:**  
MT506/606 Protective Sheet 5 sheets per package.

# MT8070T

Human Machine Interface  
with 7" 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.

## ◆ Specifications

- **Construction:** plastic molding housing
- **Display:** 7" color TFT LCD
- **CPU and core logic:** 32Bit RISC 200MHz processor
- **DRAM:** 64 MB on board
- **Storage:** 32 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)  
2 USB 2.0 full-speed host (12Mbps)
- **RTC:** Built-in
- **Power input:** 24 V<sub>DC</sub>, 350mA @ 24VDC
- **Dimension (W x H x D):** 200 x 146 x 42.5mm
- **Weight:** 0.85kg
- **Software:** EB8000 V1.3.1 or later

## ◆ Features

- 7" 480x234 TFT LCD
- Fan-less cooling system
- Built-in flash memory and RTC
- NEMA4/IP65 compliant front panel
- LED Back Light

## ◆ LCD Display

Display type	TFT LCD
Display size (diagonal)	7"
Max colors	65536
Resolution	480 x 234
Pixel pitch (HxV, mm)	0.321 x 0.370
Viewing angle (°)	40/60/60/60(T/B/R/L)
Luminance (cd/m <sup>2</sup> )	350
Backlight	LED
Backlight Life time	30,000 hrs.
Contrast ratio	200:1

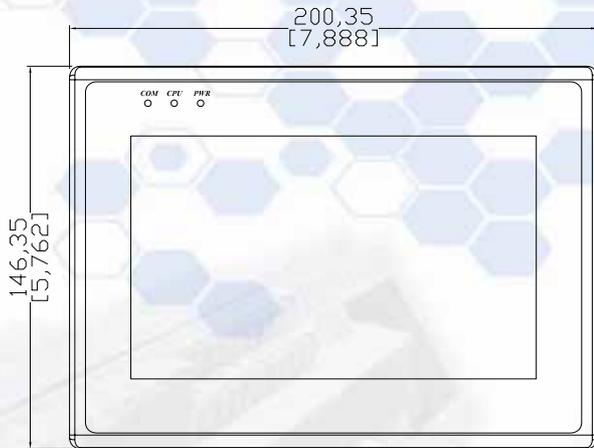
## ◆ Touchscreen

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

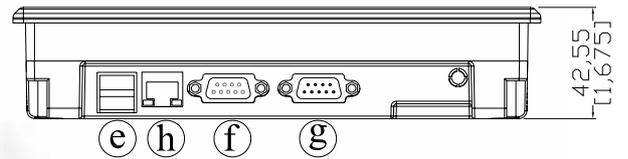
## ◆ Environmental Specifications

- **Operating temperature:** -10° ~ 45°C (14° ~ 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**

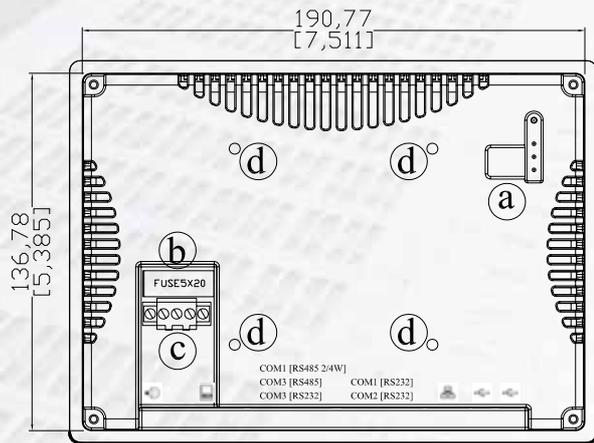
**◆ Dimensions Drawing**



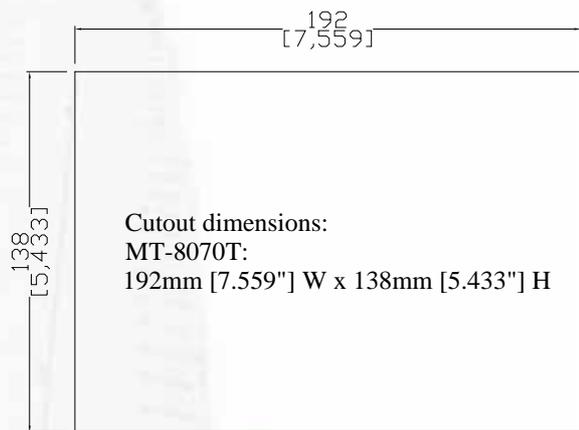
**Front View**



**Bottom View**



**Rear View**



a	DIP SW & Reset button	e	USB Host x 2
b	Fuse	f	Com1[232], Com2[232]
c	Power connector	g	Com1 RS485, Com3 RS485, Com3 RS232
d	VESA 75mm screw holes	h	Ethernet port (RJ-45)

**Ordering Information**

□ **MT8070T:**  
7" TFT LCD HMI, 32MB flash memory/64MB DRAM on board.

# MT8080T

## Human Machine Interface with 8" 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.

### **Specifications**

- **Construction:** plastic molding housing
- **Display:** 8" 640x480 65536 color TFT LCD
- **CPU and core logic:** 32Bit RISC processor
- **DRAM:** 64 MB on board
- **Storage:** 32 MB flash memory on board,  
1 CompactFlash™ card slot.
- **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)  
3 USB 2.0 full-speed host (12Mbps)
- **Sound output:** N/A
- **RTC:** Built-in
- **Power input:** 24 V<sub>DC</sub>, 440mA maximum
- **Dimension (W x H x D):** 240 x 179 x 50mm
- **Weight:** Approx. 1.3kg
- **Software:** EB8000 V1.0.1 or later

### **Features**

- 8" 640x480 65536 colors TFT LCD
- Fan-less cooling system
- Built-in flash memory and RTC
- NEMA4/IP65 compliant front panel
- One CompactFlash™ slot

### **LCD Display**

Display type	TFT LCD
Display size (diagonal)	8"
Max colors	65536
Resolution	640 x 480
Pixel pitch (HxV, mm)	0.2535 x 0.2535
Viewing angle (°)	55/65/65/65 (T/B/R/L)
Luminance (cd/m <sup>2</sup> )	400
Backlight	CCFL x 1
Backlight life time	50,000 hrs.
Contrast ratio	250:1

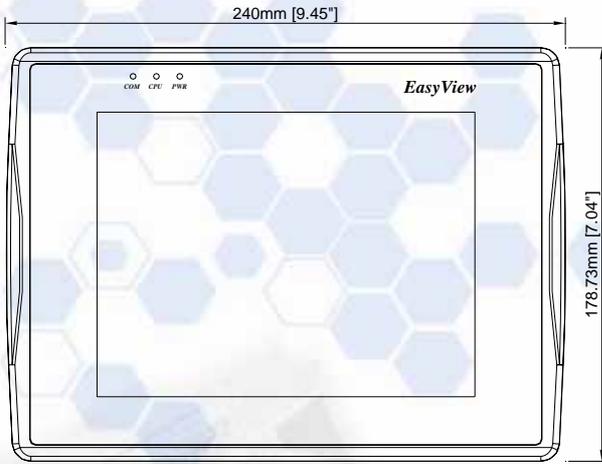
### **Touchscreen**

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

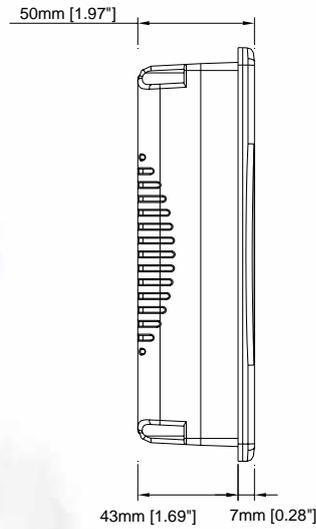
### **Environmental Specifications**

- **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**

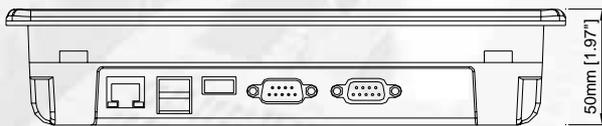
## Dimensions Drawing



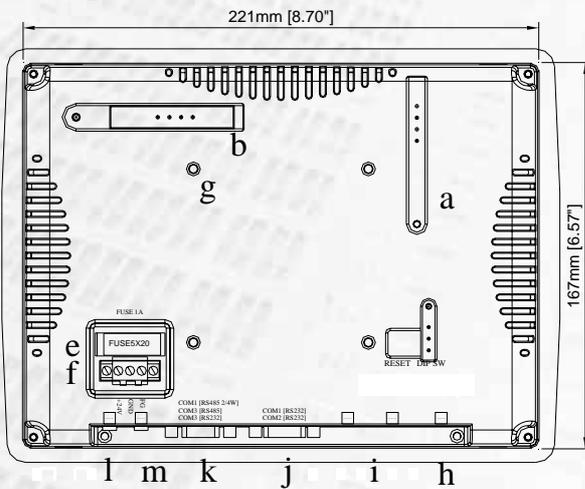
Front View



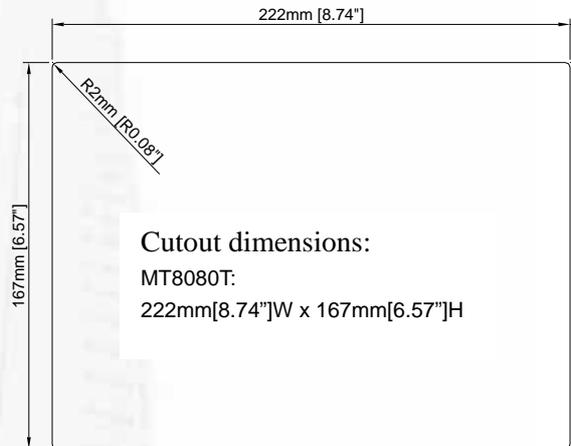
Side View



Bottom View



Rear View



a. CompactFlash™ slot	h. Ethernet port
b. N/A	i. USB Host
c. DIP Switch	j. Com1 [RS-232]
d. Reset button	Com2 [RS-232]
e. Fuse	k. Com1 [RS-485 4/2w]
f. Power terminal	Com3 [RS232]/[RS485]
g. VESA 75mm screw holes	l. N/A
	m. N/A

## Ordering Information

- ❑ **MT8080T:**  
8" TFT LCD HMI, 32MB flash memory/64MB DRAM on board.
- ❑ **PS508:**  
MT508/MT608 Protective Sheet 5 sheets per package.

# MT8104T

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.

## Specifications

- **Construction:** plastic molding housing
- **Display:** 10.4" 640x480 65536 color TFT LCD
- **CPU and core logic:** 32Bit RISC processor
- **DRAM:** 64 MB on board
- **Storage:** 32 MB flash memory on board,  
1 CompactFlash™ card slot.
- **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)  
3 USB 2.0 full-speed host (12Mbps)
- **RTC:** Built-in
- **Power input:** 24 V<sub>DC</sub>, 440mA maximum
- **Dimension (W x H x D):** 286x212x50mm
- **Weight:** Approx. 1.5kg
- **Software:** EB8000 V1.34 or later

## Features

- 10.4" 640x480 65536 colors TFT LCD
- Fan-less cooling system
- Built-in flash memory and RTC
- NEMA4/IP65 compliant front panel
- One CompactFlash™ slot

## LCD Display

Display type	TFT LCD
Display size (diagonal)	10.4"
Max colors	65536
Resolution	640 x 480
Pixel pitch (HxV, mm)	0.33 x 0.33
Viewing angle (°)	35/45/55/55 (T/B/R/L)
Luminance (cd/m <sup>2</sup> )	400
Backlight	CCFL x 2
Backlight life time (avg.)	40,000 hrs.
Contrast ratio	300:1

## Touchscreen

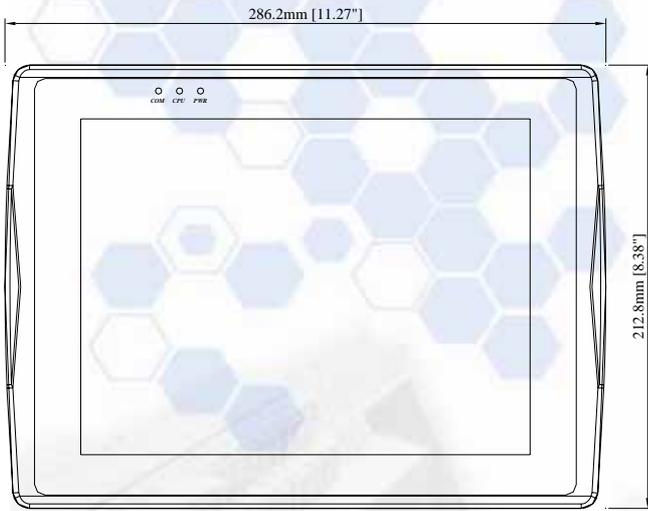
- **Type:** 4-wire, analog resistive
- **Resolution:** continuous
- **Light transmission:** above 80%
- **Life:** 1 million activation minimum

## Environmental Specifications

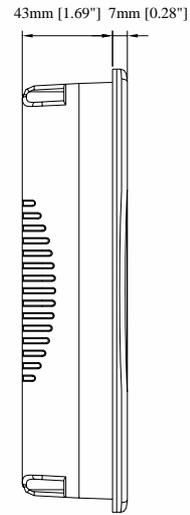
- **Operating temperature:** 0° ~ 45°C (32° ~ 113°F)
- **Relative humidity:** 10% ~ 90% @ 40°C, non-condensing
- **Shock (operation):** 10 to 25Hz(X,Y,Z direction 2G 30minutes)
- **EMI:** Complies with FCC class A
- **CE:** Complies with EN50081-2 and EN50082-2 standards
- **Front panel meets NEMA4 /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

# MT8104T

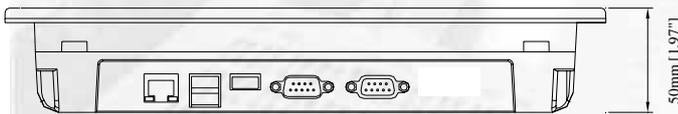
## Dimensions Drawing



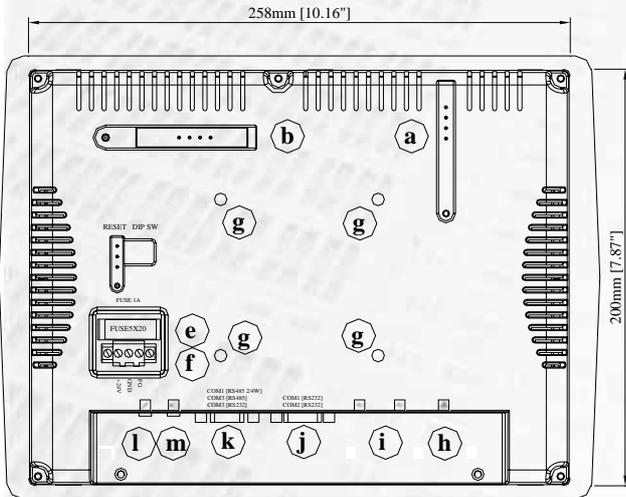
Front View



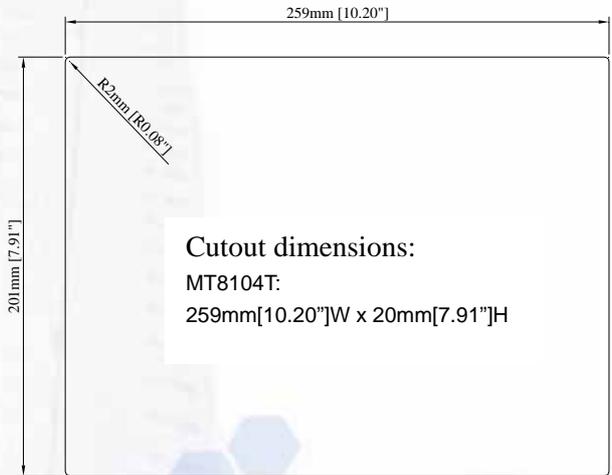
Side View



Bottom View



Rear View



Cutout dimensions:

MT8104T:

259mm[10.20]W x 20mm[7.91]H

a. CompactFlash™ slot	h. Ethernet port
b. N/A	i. USB Host
c. DIP Switch	j. Com1 [RS-232]
d. Reset button	Com2 [RS-232]
e. Fuse	k. Com1 [RS-485 4/2w]
f. Power terminal	Com3 [RS232]/[RS485]
g. VESA 75mm screw holes	l. N/A
	m. N/A

## Ordering Information

- MT8104T:**  
 10.4" TFT LCD HMI, 32MB flash memory/64MB DRAM on board.
- PS610:**  
 MT610/MT8104 Protective Sheet 5 sheets per package.

# MT8104X

## X86 CPU Core Touch Panel Computer with 10.4" VGA TFT 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.

### Hardware Specification

Display	10.4" TFT
Brightness	400 cd/m <sup>2</sup>
Color	65536 colors
Contrast Ratio	300:1
Resolution (WxH dots)	640 x 480
Back light	CCFLx2
CCFL life time	40,000 hr. min.
Touch panel	4 wires resistive type
Touch Accuracy	Active Area Length(X)±2%, Width(Y)±2%
Surface Hardness	4H
I/O port	COM1 (RS-232/RS-485 2W/4W), COM2(RS232),COM3(RS-232/RS-4852W),1 Ethernet port (10/100 Base-T), PS/2 Port Connector
USB Host	2 USB Host port
Audio	1 x Audio Line Out, 1 x MIC In
Processor	AMD Geode™ LX800/500MHz core processor
Storage	256MB D.O.M
DRAM	256MB on board DDR-400MHz SDRAM
SD card slot	Support SDHC/SD, MT8000 doesn't support Plug and Play.
RTC	Built-in (CR2032 3V lithium battery.)

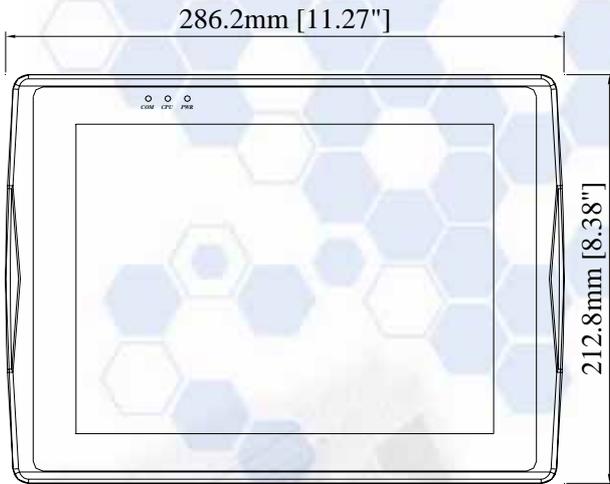
### General Specification

Input Power	24±20% VDC
Power Consumption	1.25 A@24VDC
CE	Complies with EN50081-2 and EN50082-2 standards
FCC	Complies with FCC Class A
Voltage resistance	500VAC (1 min.)
Isolation resistance	Exceed 50M at 500VDC
Vibration endurance	10 to 25 Hz (X,Y,Z direction 2G 30minutes)
Protection structure	IP65 front panel (O ring seal)
Operating Temperature	0~45°C
Operation humidity	10-90% RH (non -condense)
Enclosure	Plastic
Dimensions WxHxD	286x212x50mm
Panel cutout dimension	259 x 201 mm
Weight	Approx. 1.6 kg

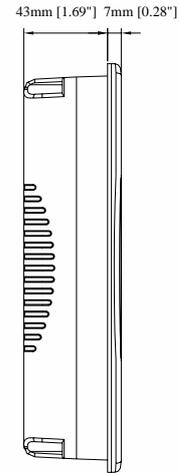
### Operating System

Operating System	EB8000 V1.3.1 or Newer
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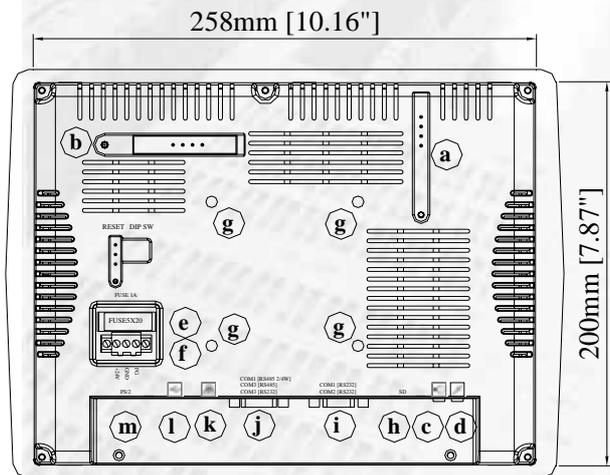
# Dimensions of MT8104X



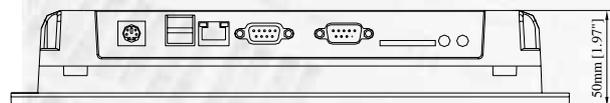
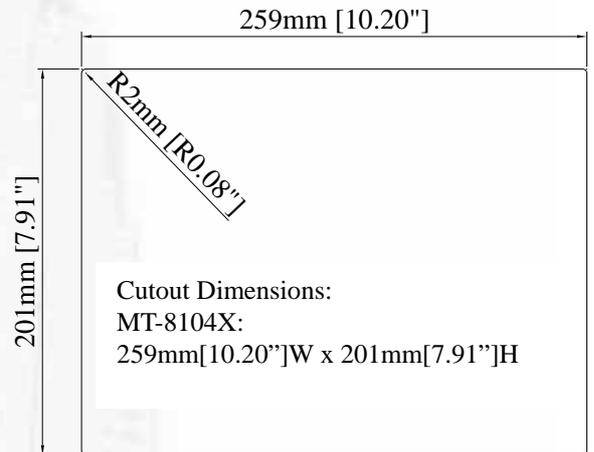
Front View



Side View



Rear View



Bottom View

A	N/A	H	SD CARD SLOT (for MT612X only)
B	IDE Interface (DOM Slot)	I	Com1 RS232, Com2 RS232
C	Line Out	J	Com1 RS485, Com3 RS485, Com3 RS232
D	Mic In	K	Ethernet Port 10/100 Base-T
E	Fuse Reset Button	L	USB Host Port x 2
F	Power Connector	M	PS/2 Port Connector
G	VESA 75mm Screw Holes		

# MT8104XH

## X86 CPU Core Touch Panel Computer with 10.4" SVGA TFT 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.

### **Hardware Specification**

Display	10.4" TFT
Brightness	400 cd/m <sup>2</sup>
Color	65536 colors
Contrast Ratio	400:1
Resolution (WxH dots)	800 x 600
Back light	LED
CCFL life time	30,000 hr. min.
Touch panel	4 wires resistive type
Touch Accuracy	Active Area Length(X)±2%, Width(Y)±2%
Surface Hardness	4H
Ethernet port	(10/100 Base-T)
I/O port	COM1 (RS-232/RS-485 2W/4W), COM2(RS232),COM3(RS-232/RS-4852W)
USB Host	2 USB Host port
Audio	1 x Audio Line Out, 1 x MIC In
Processor	AMD Geode™ LX800/500MHz core processor
Storage	256MB D.O.M
DRAM	256MB on board DDR-400MHz SDRAM
SD card slot	Support SDHC/SD
RTC	Built-in (CR2032 3V lithium battery.)

### **General Specification**

Input Power	24±20% VDC
Power Consumption	1.25 A@24VDC
CE	Complies with EN50081-2 and EN50082-2 standards
FCC	Complies with FCC Class A
Voltage resistance	500VAC (1 min.)
Isolation resistance	Exceed 50M at 500VDC
Vibration endurance	10 to 25 Hz (X,Y,Z direction 2G 30minutes)
Protection structure	IP65 front panel (O ring seal)
Operating Temperature	0~45°C (32° ~ 113°F)
Operation humidity	10-90% RH (non -condense)
Enclosure	Plastic
Dimensions WxHxD	286x212x50mm
Panel cutout dimension	259 x 201 mm
Weight	Approx. 1.6 kg

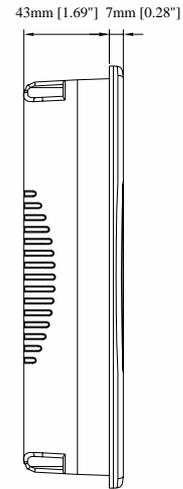
### **Operating System**

Operating System	EB8000 V2.0.0 or Newer
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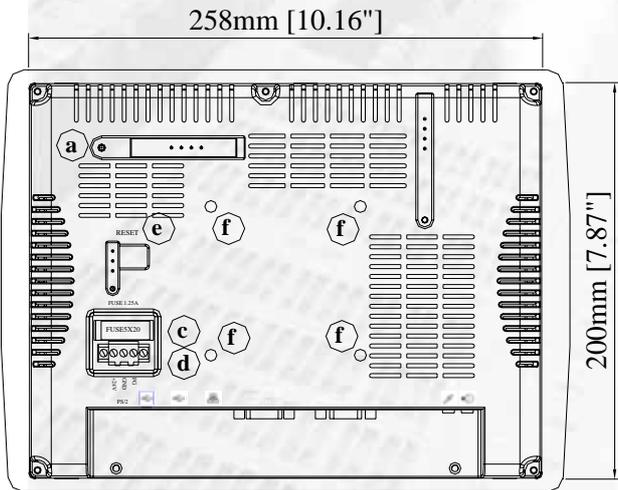
# Dimensions of MT8104XH



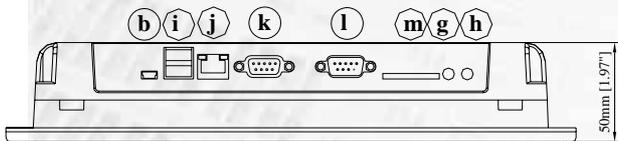
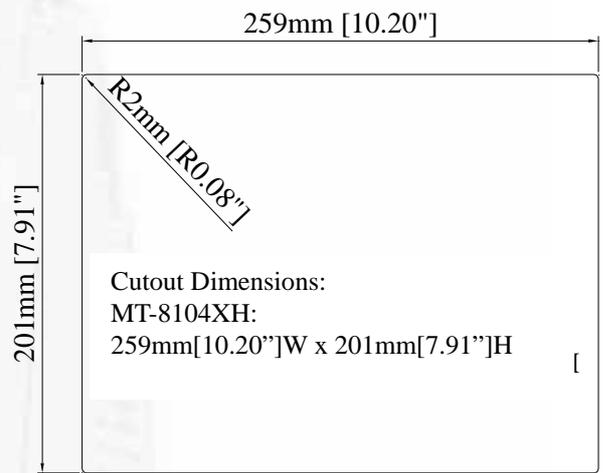
Front View



Side View



Rear View



Bottom View

A	N/A IDE Interface (DOM Slot)	H	Line Out
B	Option	I	USB Host Port x 2
C	Fuse	J	Ethernet Port 10/100 Base-T
D	Power Connector	K	Com1 RS485, Com3 RS485, Com3 RS232
E	Reset Button	L	Com1 RS232, Com2 RS232
F	VESA 75mm Screw Holes	M	SD CARD SLOT
G	Mic In		

# MT8121T

## Human Machine Interface with 12.1" 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.

### Specifications

- **Construction:** plastic molding housing
- **Display:** 12.1" SVGA Color TFT LCD
- **CPU and core logic:** 32Bit RISC processor
- **DRAM:** 64 MB on board
- **Storage:** 32 MB flash memory on board,  
1 CompactFlash™ card slot.
- **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)  
3 USB 2.0 full-speed host (12Mbps)
- **RTC:** Built-in
- **Power input:** 24 V<sub>DC</sub>, 0.5A maximum
- **Dimension (W x H x D):** 322 x 243 x 51mm
- **Weight:** Approx. 2.1kg
- **Software:** EB8000 V1.34 or later

### Features

- 12.1" SVGA TFT LCD
- Fan-less cooling system
- Built-in flash memory and RTC
- NEMA4/IP65 compliant front panel
- One CompactFlash™ slot

### LCD Display

Display type	TFT LCD
Display size (diagonal)	12.1"
Max colors	65536
Resolution	800 x 600
Pixel pitch (HxV, mm)	0.3075 x 0.3075
Viewing angle (°)	95 (Upper+Lower), 120 (Left+Right)
Luminance (cd/m <sup>2</sup> )	400
Backlight	CCFL x 2
Backlight life time	50,000 hrs.
Contrast ratio	500:1

### Touchscreen

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

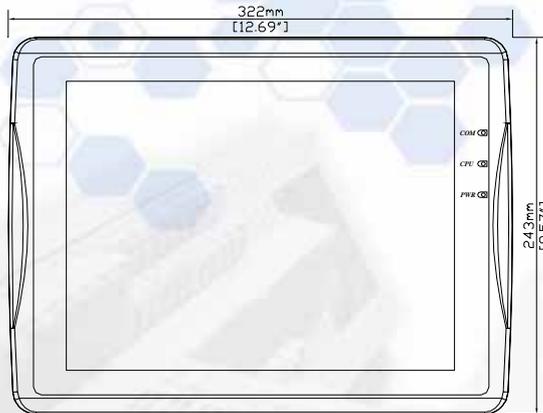
### Environmental Specifications

- **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**

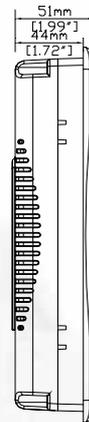
## Dimensions Drawing



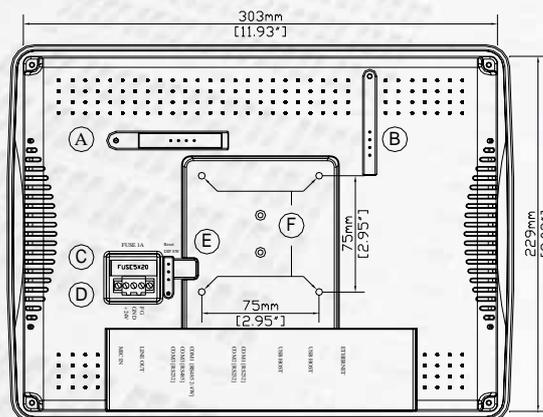
Top View



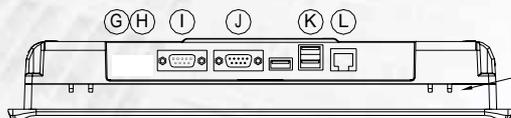
Front View



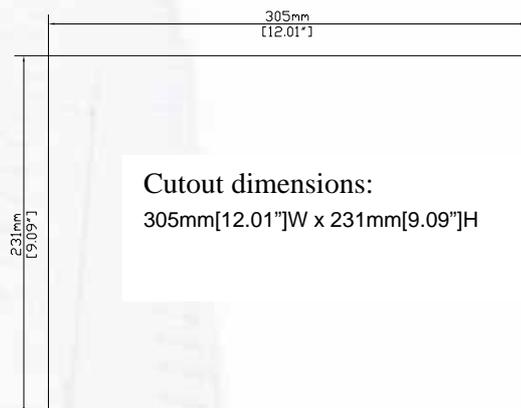
Side View



Rear View



Bottom View



Cutout dimensions:  
305mm[12.01"]W x 231mm[9.09"]H

A	N/A	G	N/A
B	Compact Flash™ slot	H	N/A
C	Fuse	I	Com1 RS485, Com3 RS485, Com3 RS232
D	Power connector	J	Com1 RS232, Com2 RS232
E	DIP SW and Reset button	K	USB Host x 3
F	VESA 75mm screw holes	L	Ethernet port 10/100 Base-T

## Ordering Information

- MT8121T:**  
 12.1" TFT LCD HMI, 32MB flash memory/64MB DRAM on board.

# MT8121X

X86 CPU Core Touch Panel Computer  
with 12.1" SVGA TFT Display



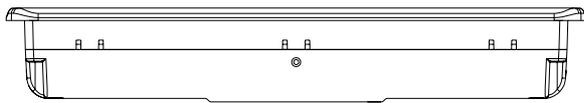
## 【 Introduction 】

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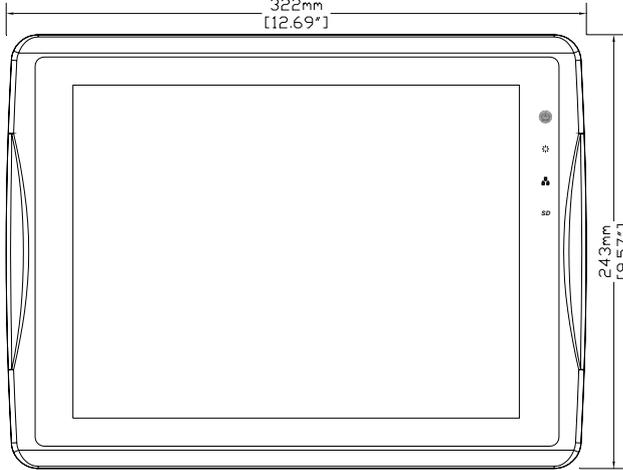
## 【 Specifications 】

Hardware Specification	
Display	12.1" TFT
Brightness	400 cd/m <sup>2</sup>
Color	65,536 colors
Contrast Ratio	500:1
Resolution (WxH dots)	800 x 600
Back light	CCFLx2
CCFL life time	50,000 hr. min.
Touch panel	4 wires resistive type
Touch Accuracy	Active Area Length(X)±2%, Width(Y)±2%
Surface Hardness	4H
I/O port	COM1 (RS-232/RS-485 2W/4W), COM2(RS232), COM3(RS-232/RS-485 2W), 1 Ethernet port (10/100 Base-T)
USB Host	2 USB 2.0 Full Speed Host port
Audio	1 x Audio Line Out, 1 x MIC In
Processor	AMD Geode™ LX800/500MHz core processor
Storage	256MB D.O.M
DRAM	256MB on board DDR-400MHz SDRAM
SD card slot	Support SDHC/SD
RTC	Built-in (CR2032 3V lithium battery.)
General Specification	
Input Power	24±20% VDC (Power Isolator Inside.)
Power Consumption	1.25 A@24VDC
CE	Complies with EN50081-2 and EN50082-2 standards
FCC	Complies with FCC Class A
Voltage resistance	500VAC (1 min.)
Isolation resistance	Exceed 50M at 500VDC
Vibration endurance	10 to 25 Hz (X,Y,Z direction 2G 30minutes)
Protection structure	IP65 front panel (O ring seal)
Operating Temperature	0~45°C
Operation humidity	10-90% RH (non -condense)
Enclosure	Plastic
Dimensions WxHxD	322 x 243 x 51mm
Panel cutout dimension	305 x 231 mm
Weight	Approx. 2.1 kg
Operating System	
Operating System	EB8000 V1.3.0 or Newer

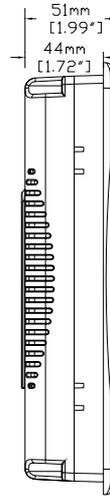
# Dimensions of MT8121X



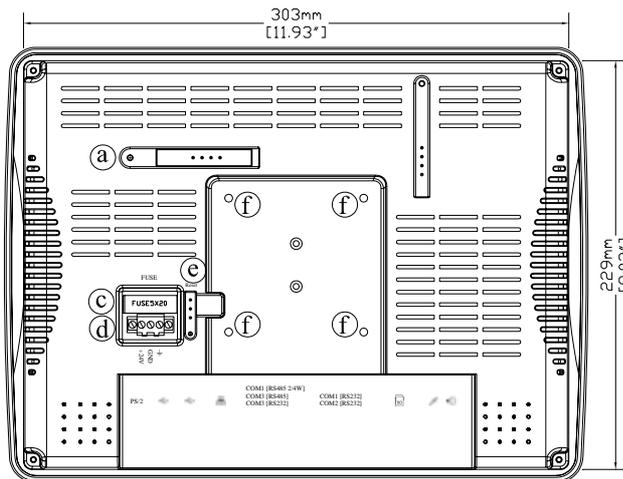
Top View



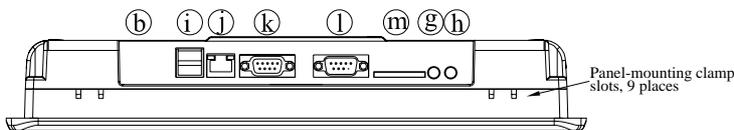
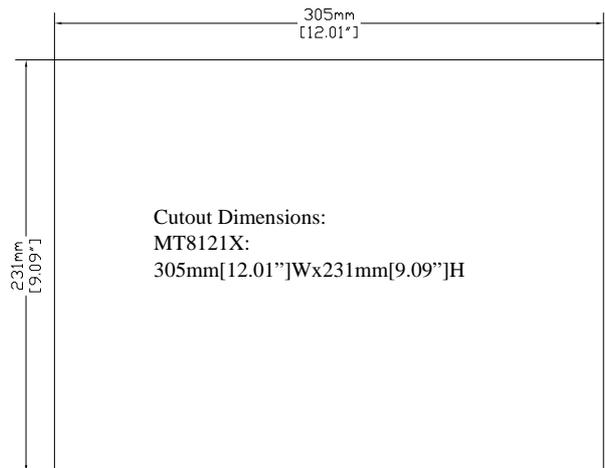
Front View



Side View



Rear View



Bottom View

## Ordering Information

### ❑ MT8-VGA cable

P/N: FLZ083504

MT8000X VGA connector

### ❑ Protective Sheet

P/N: RP0006120

12.1" Protective Sheet, for MT612T, MT612X, MT8121T, MT8121X.

- A IDE Interface (DOM Slot)
- B N/A
- C Fuse
- D Power Connector
- E Reset Button
- F VESA 75mm Screw Holes
- G Mic In

- H Line Out
- I USB Host Port x 2
- J Ethernet Port 10/100 Base-T
- K Com1 RS485, Com3 RS485, Com3 RS232
- L Com1 RS232, Com2 RS232
- M SD CARD SLOT

# MT8150X

X86 CPU Core touch panel computer  
with 15.0" XGA TFT display



## 【 Introduction 】

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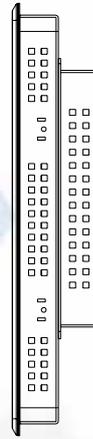
## 【 Specifications 】

Hardware Specification	
Display	15.0" TFT
Brightness	350 cd/m <sup>2</sup>
Color	65,536 colors
Contrast Ratio	550:1
Resolution (W x H dots)	1024 x 768
Back Light	CCFLx2
CCFL Life Time	50,000 hr.
Touch Panel	4 wires resistive type
Touch Accuracy	Active Area Length(X)±2%, Width(Y)±2%
Surface Hardness	4H
I/O port	COM1 (RS-232/RS-485 2W/4W), COM2(RS232), COM3(RS-232/RS-485 2W), 1 Ethernet port (10/100 Base-T)
USB Host	2 USB 2.0 Full Speed Host port
Audio	1 x Audio Line Out, 1 x MIC In
Processor	500MHz CPU
DRAM	256MB on board DDR-400MHz SDRAM
SD card slot	Support SDHC/SD
RTC	Built-in (CR2032 3V lithium battery backup.)
General Specification	
Input Power	24±20% VDC (Power Isolator Inside.)
Power Consumption	1.6 A@24VDC
CE	Complies with EN50081-2 and EN50082-2 standards
FCC	Complies with FCC Class A
Voltage Resistance	500VAC (1 min.)
Isolation Resistance	Exceed 50Ω at 500VDC
Vibration Endurance	10 to 25 Hz (X,Y,Z direction 2G 30mins)
Protection Structure	IP65 front panel (O ring seal)
Operating Temperature	0~45°C
Operation Humidity	10-90% RH (non -condensing)
Enclosure	Aluminum
Dimensions WxHxD	366 x 293 x 55mm
Panel Cutout Dimensions	352 x 279 mm
Weight	Approx. 2.9 kg
Operating System	
Operating System	EB8000 V1.3.0 or Newer

# Dimensions of MT-8150X



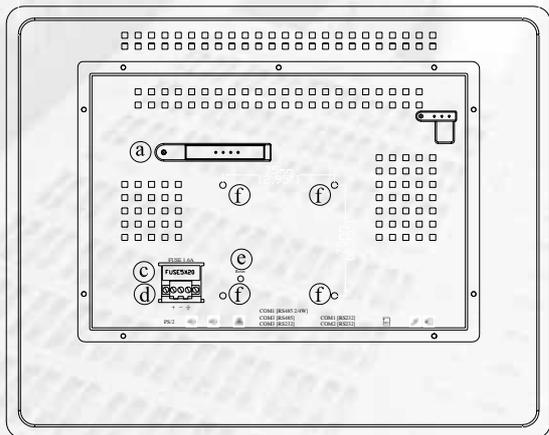
**Front View**



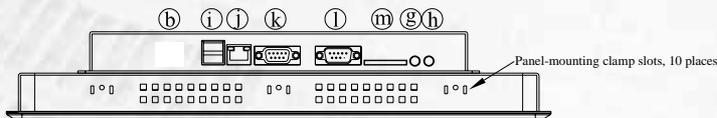
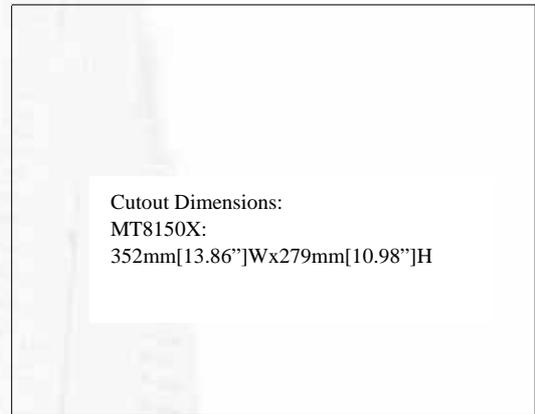
**Side View**

## Ordering Information

- **MT8-VGA cable**  
P/N: FLZ083504  
MT8000X VGA connector
- **O-ring**  
Two-sided adhesive O-ring



**Rear View**



**Bottom View**

A	IDE interface (DOM slot)	H	Line Out
B	N/A	I	USB Host port x 2
C	Fuse	J	Ethernet port 10/100 Base-T
D	Power connector	K	Com1 RS485, Com3 RS485, Com3 RS232
E	Reset button	L	Com1 RS232, Com2 RS232
F	VESA 75mm screw holes	M	SD CARD SLOT
G	Mic In		