

# WT 3010

## Human Machine Interface with 7" TFT display



### Features

- Aluminum Housing and Brand-new Color & Design
- Improve Operating Temperature to -10~55°C
- Longer Life Time
- 7" 800x480 TFT Industrial Grade LCD
- Fan-less Cooling System
- Built- in Flash Memory and RTC
- NEMA4/IP65 Compliant Front Panel
- Long Life LED Back Light with Ceramics Package
- One USB Host and One USB Client Port
- SD Card Slot
- Power Isolator Inside
- Com1 RS485 supports MPI 187.5K

### Introduction

WT3010 is the new HMI generation of Weintek. With the design concept of meeting customers' satisfaction while easy-to-Use attribute as before, a WT3010 not only performs as a Human Machine Interface but also plays as a role of data exchange center. The aluminum housing extends operation temperature range, industrial grade LCD brings longer lifetime, and the lighter and thinner design still makes it stronger. WT3010 is sure the best choice for your requirement.

### Specifications

- **Construction:** aluminum housing
- **Overlay:** transparent PET
- **Display:** 7" 65,536 colors TFT Industrial Grade LCD
- **CPU & core logic:** 32Bit RISC 400MHz processor
- **DRAM:** 64MB on board 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 port
- 1 USB 2.0 high-speed device
- SD CARD SLOT
- **Sound output:** Line out
- **RTC:** Built-in
- **Power input:** 24±20%V<sub>DC</sub>,300mA@24VDC
- **Dimension (W x H x D):** 200 x 146 x 42.5mm
- **Weight:** 0.9kg
- **Software:** EB8000 V2.0.0 or later

### Touchscreen

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

### LCD Display

Display type	TFT LCD
Display size (diagonal)	7"
Max colors	65,536
Resolution	800 x 480
Pixel pitch (HxV, mm)	0.1905 x 0.0635
Viewing angle (°)	50/60/65/65 (T/B/R/L)
Luminance (cd/m <sup>2</sup> )	350
Backlight	LED
Backlight Lifetime	50,000 hrs.
Contrast Ratio	700:1

### Environmental Specifications

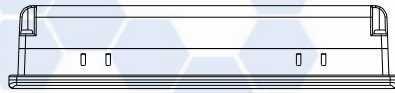
- **Operating temperature:** -10° ~ 55°C (14° ~ 131°F)
- **Storage temperature:** -20° ~ 70°C (-4° ~ 158°F)
- **Relative humidity:** 10% ~ 90% @ 40°C, non-condensing
- **Shock (operation):** 10 to 25Hz (X,Y,Z direction 2G 30minutes)
- **CE/FCC:** Complies with EN 55022:1998+A1: 2000+A2: 2003, EN61000-3-2: 2000+A2: 2005, EN61000-3-3:1995+A1:2001 EN55024: 1998+A1:2001+A2: 2003
- **Front panel meets NEMA4 / IP66**

### Ordering Information

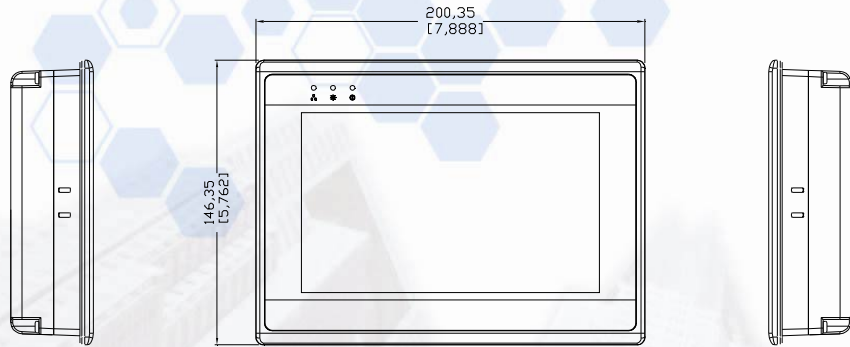
- **WT3010:**  
7" 800x480 TFT LCD HMI, 128MB flash memory/64MB DDR2 RAM on board.
- **RZCMT6100:**  
Download cable / Mini USB to USB 2.0 100 cm
- **RP0080700:**  
7" Protective Sheet, for MT607, 6070, 8070 and WT3010



# Dimensions of WT3010



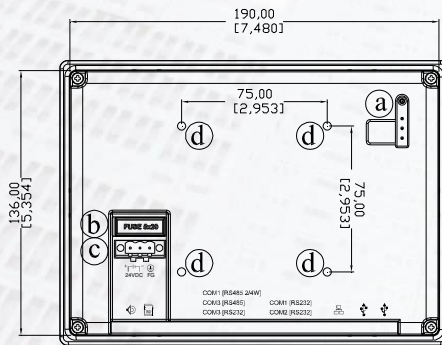
**Top View**



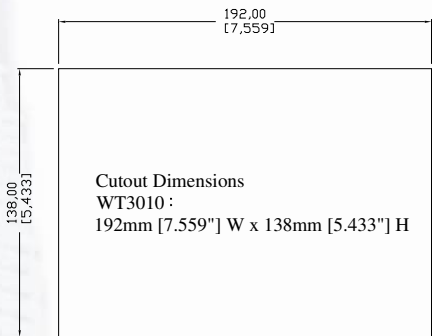
**Side View**

**Front View**

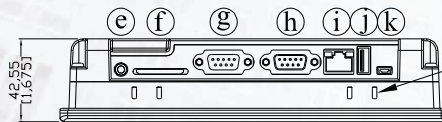
**Side View**



**Rear View**



Cutout Dimensions  
WT3010 :  
192mm [7.559"] W x 138mm [5.433"] H



**Bottom View**

Panel-mounting clamp slots, 6 places

<b>a</b>	DIP SW & Reset button	<b>g</b>	Com 1 RS485, Com3 RS485, Com3 RS232
<b>b</b>	Fuse	<b>h</b>	Com 1 RS232, Com2 RS232
<b>c</b>	Power connector	<b>i</b>	Ethernet port (RJ45)
<b>d</b>	VESA 75mm screw holes	<b>j</b>	USB Host Port
<b>e</b>	Line Out	<b>k</b>	USB Client Port
<b>f</b>	SD card slot		