

# WT 3010

## Human Machine Interface with 7" TFT display



### 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>cc</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

### Features

Aluminum Housing and Brand-new Color & Design  
Improve Operating Temperature to -20~55°C  
Longer Life Time  
7" 800x480 TFT Industrial Grade LCD  
Fan-less Cooling System  
Built-in Flash Memory and RTC  
NEMA4/IP66 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 and Com3 RS485 support MPI 187.5K  
(Not allowed to use both simultaneously)

### 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	500:1

### Environmental Specifications

**Operating temperature:** -20° ~ 55°C (-4° ~ 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: 2006 Class A  
EN 61000-3-2: 2006,  
EN61000-3-3: 1995+A1: 2001+A2: 2005  
EN55024: 1998+A1:2001+A2:2003  
**Front panel meets NEMA4 / IP66**

### Ordering Information

**WT3010:**

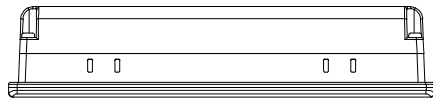
7" 800x480 TFT LCD HMI, 128MB flash memory/64MB DDR2  
RAM on board.

**RZCMT6100:**

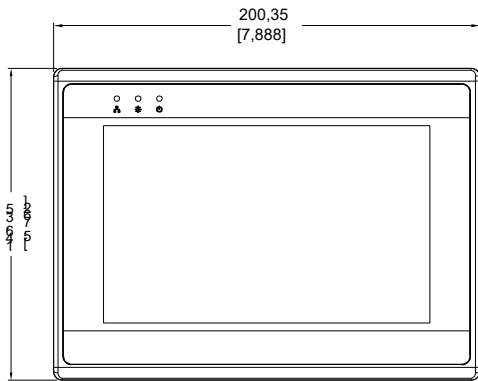
Download cable / Mini USB to USB 2.0 100 cm



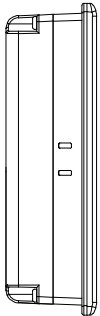
# Dimensions of WT3010



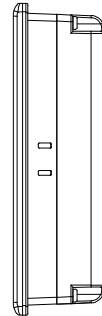
**Top View**



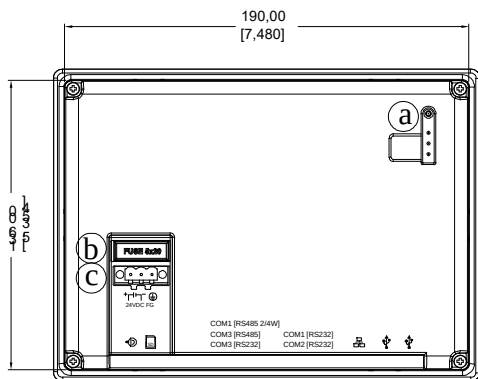
**Front View**



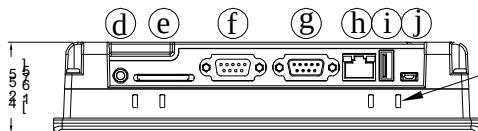
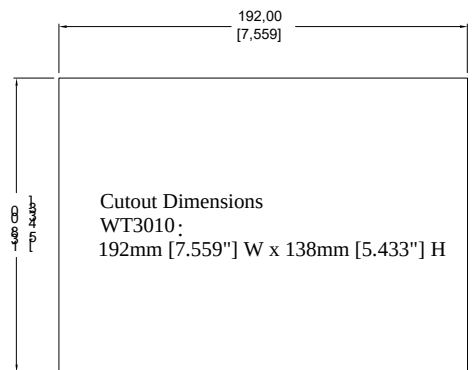
**Side View**



**Side View**



**Rear View**



**Bottom View**

Panel-mounting clamp slots, 6 places

<b>a</b>	DIP SW & Reset button	<b>f</b>	Com1 RS485, Com3 RS485, Com3 RS232
<b>b</b>	Fuse	<b>g</b>	Com1 RS232, Com2 RS232
<b>c</b>	Power connector	<b>h</b>	Ethernet port
<b>d</b>	Line Out	<b>i</b>	USB Host Port
<b>e</b>	SD card slot	<b>j</b>	USB Client Port