



WT3010

Human Machine Interface with 7" TFT Display

Introduction

The WT3010 is an enhanced version of the already popular MMI8070H. All of the easy-to-use features of EasyBuilder software such as alarming, trending and data exchange are available. The WT3010 is specially designed for rugged environments. Its durable aluminum housing improves range of operation over wider temperatures. The industrial grade LCD allows it to be used in environmental situations that would normally cause competing operator interfaces to fail early. The lighter and thinner design makes the WT3010 the best choice for your operator interface needs.

- 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

KEP

Kessler-Ellis Products

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Ordering Information

Part Number	Description
WT3010	7" 800x480 TFT LCD HMI, 128MB flash memory/64MB DDR2 RAM on board. Setup software and Ethernet Crossover cable for programming included

WT3010 7" Color Graphic Display Panel and Touch Screen

Hardware 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%VDC,300mA@24VDC
Dimension	200 x 146 x 42.5mm (W x H x D)
Weight	0.9kg
Software	EB8000 V4.3.4 or later

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/m2)	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 30 minutes)
CE/FCC	Complies with EN 55022:1998+A1: 2000+A2: 2003, EN61000-3-2: 2000+A 2: 2005

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

Dimensions

