MT6100i

Human Machine Interface with 10" 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 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_{DC},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
- Com1 RS485 supports MPI 187.5K

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 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° ~ 50°C (32° ~ 122°F)
- · Storage temperature: -20° ~ 60°C (-4° ~ 140°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

EN 61000-3-3:1995+A1:2001+A2:2005 EN 55024:1998+A1:2001+A2:2003

· Front panel meets NEMA4 / IP65

