MT506SE3

Human Machine Interface with 5.7" STN LCD display

Features

· 5.7" 320x240 256 colors STN LCD

· 32-bit RISC processor

· Ethernet port 10 Base-T

· An Innovative way to debug your project

  Offline Simulator, Online Simulator, Direct Online Simulator

· Built-in Recipe memory and Real Time Clock

· NEMA4/IP65 compliant front panel

· Touch screen support window operation

  The MT500 allows you to create multiple windows on a

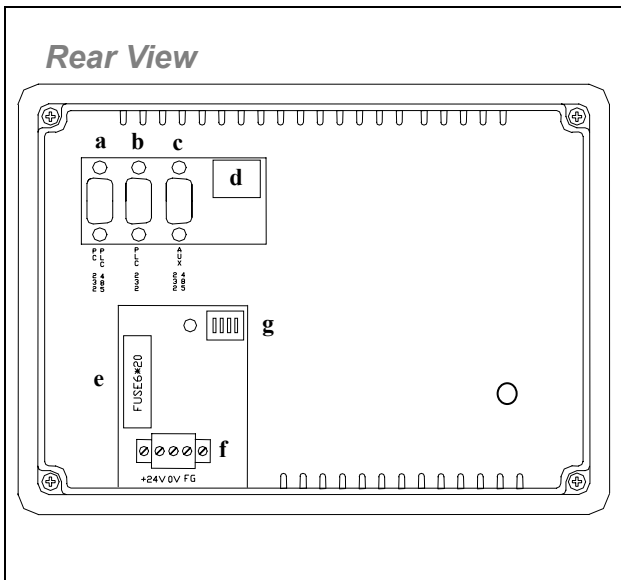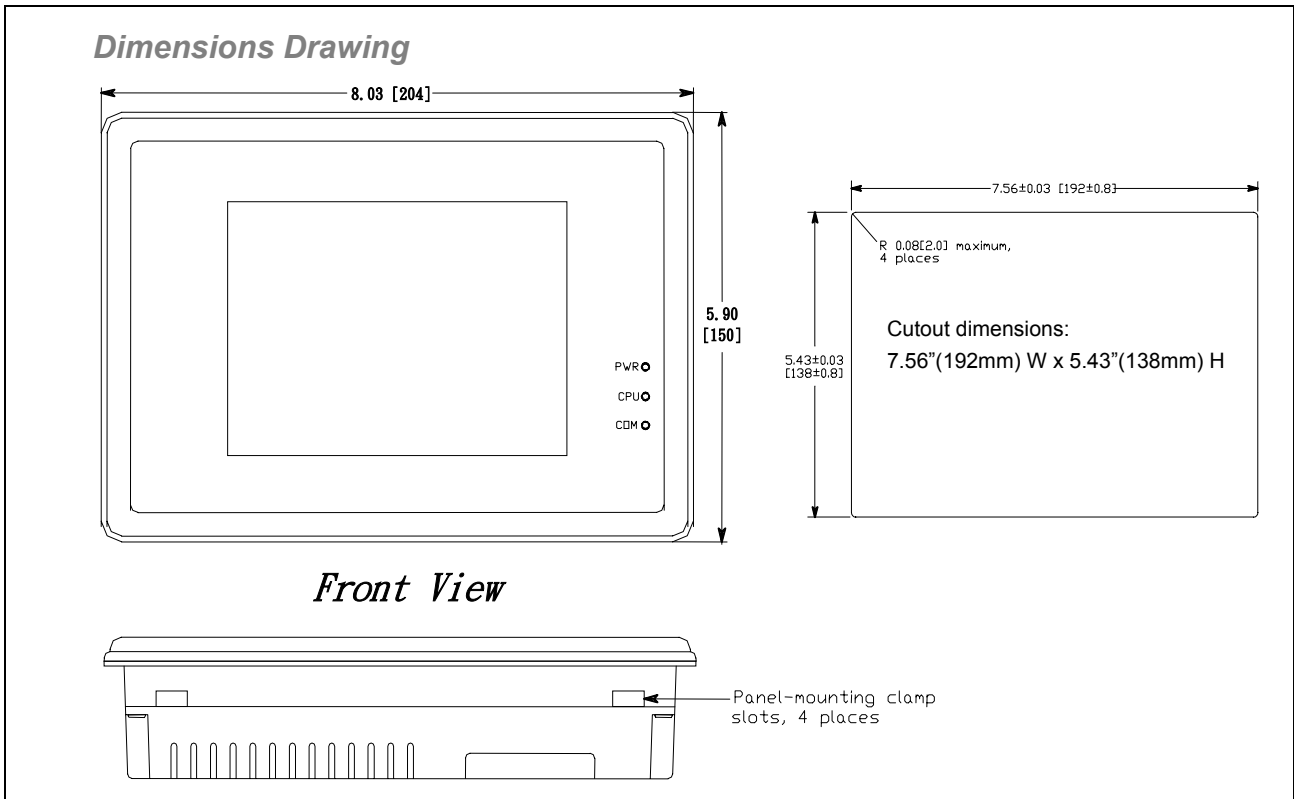 screen, similar to the operation of familiar Winodws

Introduction

The MT500 series touch screen is the result of our continuous efforts to perfect our PLC touch screen products. Our accumulated knowledge in touch screen design has enabled us to produce these state-of-art touch screen, bringing out the PLC's full potential, and improving production line efficiency.
The Ethernet port support Master/Slave TCP/IP and Modbus TCP/IP protocol.

LCD Display

Display type	Color STN LCD
Display size (diagonal)	5.7"
Max colors	256
Resolution	320 x 240
Pixel pitch (HxV, mm)	0.36 x 0.36
Viewing angle (°)	100
Luminance (cd/m^2)	150
Storage temperature (°C)	-20~60
Operating temperature (°C)	0~45
Backlight	1 CCFL
Contrast ratio	30:1

Specifications

· **Construction:** plastic molding housing
· **Display:** 5.7" 320x240 256 color STN LCD
· **CPU and core logic:** 32-bit RISC processor
· **DRAM:** 4MB on board
· **Storage:** 1MB flash memory on board, (2MB option)
          128KB battery backup Recipe memory
· **I/O:** 1 RS232 port (PC-HMI)
      1 RS232/485 port (HMI-PLC)
· **RTC:** Built-in
· **Power input:** 24 V_{DC}, 0.5A maximum
· **Dimension (W x H x D):** 204 x 150 x 48mm
· **Weight:** Approx. 1.0kg

· **Software:** EB500 V2.4.0 or later

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

8.03 [204]

7.56±0.03 [192±0.8]

R 0.08[2.0] maximum,
4 places

5.90 [150]

5.43±0.03 [138±0.8]

PWR○
CPU○
COM ○

Cutout dimensions:
7.56"(192mm) W x 5.43"(138mm) H

Front View

Panel-mounting clamp slots, 4 places

Rear View

a b c
d

e FUSE6*20
g

f
+24V 0V FG

a. PLC [RS-232]
b. PLC [RS-485]/PC[RS232]
c. AUX [RS-232]/[RS-485]
d. Ethernet port (RJ45)

e. Fuse
f. Power connector
g. DIP Switch

Ordering Information

❑ **MT506SE3:**
5.7" 256 color STN LCD display touch panel with Ethernet port

❑ **MT5_PC:**
MT500 to PC download cable