

MT509MV4

Human Machine Interface 9.4" 4 gray scale LCD display



Features

- 9.4" 640x480 4 gray scale STN LCD
- 32-bit RISC processor
- 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 Windows programs.

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.

Specifications

- **Construction:** plastic molding housing
- **Display:** 9.4" 640x480 4 gray LCD
- **CPU and core logic:** 32-bit RISC processor
- **DRAM:** 4MB on board
- **Storage:** 2MB flash memory on board, 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):** 290 x 220 x 43mm
- **Weight:** Approx. 1.4kg

LCD Display

Display type	4 gray scale LCD
Display size (diagonal)	9.4"
Max colors	4
Resolution	640 x 480
Pixel pitch (HxV, mm)	0.30 x 0.30
Viewing angle (°)	40
Luminance (cd/m ²)	110
Storage temperature (°C)	-20~60
Operating temperature (°C)	0~45
Back Light	1 CCFL
Back Light Life	50,000h (average)
Contrast ratio	20:1

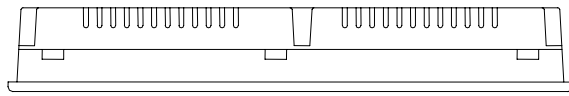
Touchscreen

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

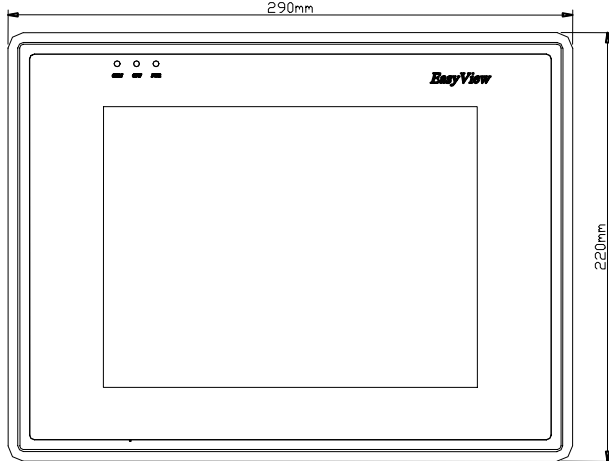
Environmental Specifications

- **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**

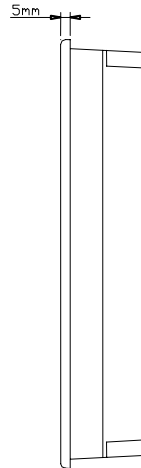
MT509MV4



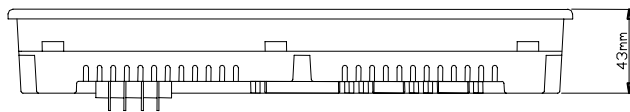
Top View



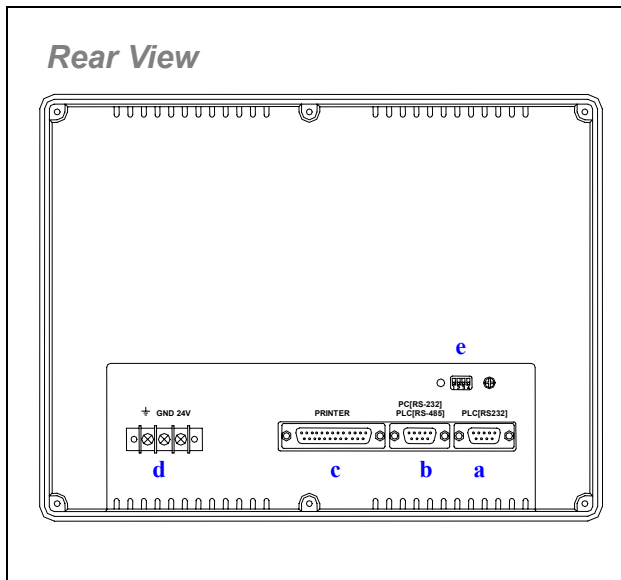
Front View



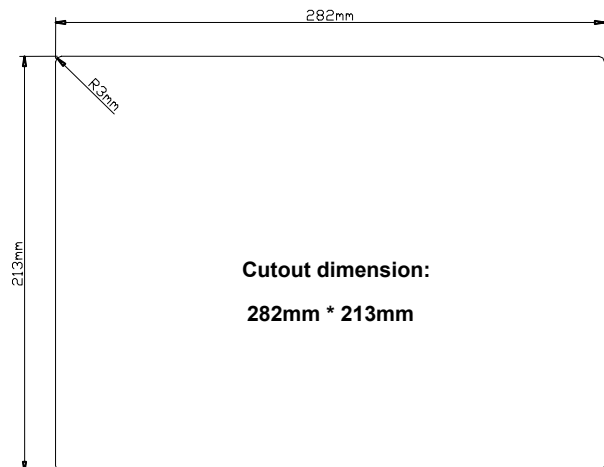
Side View



Bottom View



Rear View



**Cutout dimension:
282mm * 213mm**

Ordering Information

- a. PLC [RS-232]
- b. PLC [RS-485]/PC[RS232]
- c. Printer ports
- d. Power connector
- e. DIP Switch

- **MT509MV4:**
9.4" 4 gray LCD display touch panel
- **MT5_PC:**
MT500 to PC download cable