MT510TV5

Features

- 10.4" 640x480 256 colors LCD
- Intel® Xscale PXA255 200MHz processor
- Built-in Recipe memory and Real Time Clock
- NEMA4/IP65 compliant front panel

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 of potential, and improving production line efficiency.

Specifications

- **Construction:** plastic molding housing
- **Display:** 10.4" 640x480 256 colors LCD
- **CPU and core logic:** Intel® PXA255 200MHz
- **DRAM:** 4MB on board
- **Storage:** 4MB flash memory on board
            128KB battery backup Recipe memory
- **I/O:** 1 RS232 port (PC-HMI)
       1 RS232/485 port (HMI-PLC)
       1 RS232/485 port (HMI-AUX)
- **RTC:** Built-in
- **Power input:** 24 V_{DC}, 440mA maximum
- **Dimension (W x H x D):** 286 x 213 x 50mm
- **Weight:** Approx. 2.0 kg

- **Software:** EB500 V2.7.1 or later

LCD Display

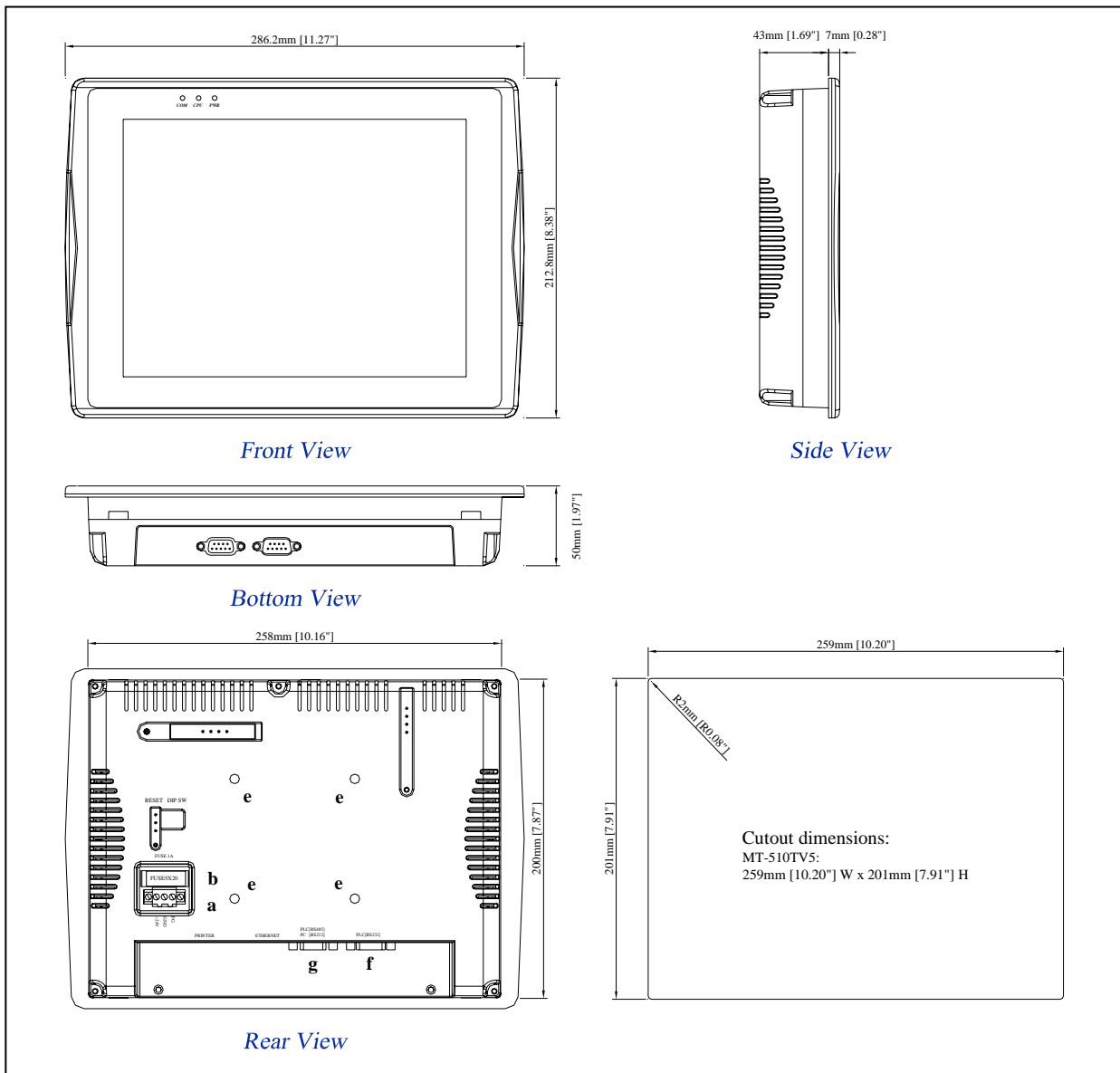| Display type	256 colors TFT LCD
Display size (diagonal)	10.4"
Max colors	256
Resolution	640 x 480
Pixel pitch (HxV, mm)	0.33 x 0.33
Viewing angle (º)	35/45/55/55 (T/B/R/L)
Luminance (cd/m^2)	400
Storage temperature (°C)	-20~60
Operating temperature (°C)	0~45
Backlight	CCFL x 2
Backlight Life time	50,000 hrs.
Contrast ratio	300:1

Touchscreen

- **Type:** 4-wire, analog resistive
- **Resolution:** continuous
- **Light transmission:** above 85%
- **Life:** 1 million activation minimum

Environmental Specifications

- **Operating temperature:** 0° ~45°C (14° ~ 140°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

286.2mm [11.27"]

212.8mm [8.38"]

COM CPU PWR

Front View

43mm [1.69"] 7mm [0.28"]

Side View

50mm [1.97"]

Bottom View

258mm [10.16"]

RESET DIP SW

FUSE 1A

FUSE5X20

e   e

b
a   e   e

PRINTER   ETHERNET   PLC[RS485]   PLC[RS232]
                        PC [RS232]

g   f

200mm [7.87"]

259mm [10.20"]

201mm [7.91"]

R2mm [R0.08"]

Cutout dimensions:
MT-510TV5:
259mm [10.20"] W x 201mm [7.91"] H

Rear View

a.	Power terminal	e.	VESA hole x 4
b.	Fuse	f.	PLC [RS-232]
c.	DIP Switch	g.	PLC [RS-485]/PC[RS232]
d.	Reset button		

Ordering Information

❑ **MT510TV5:**
10.4" 256 colors TFT LCD display touch panel HMI with Intel Xscale PXA 255 CPU 4MB flash memory/4MB DRAM on board

❑ **MT5_PC:**
PC to MT download cable.

❑ **PS510:**
MT510 Protective Sheet 3 sheets per package.