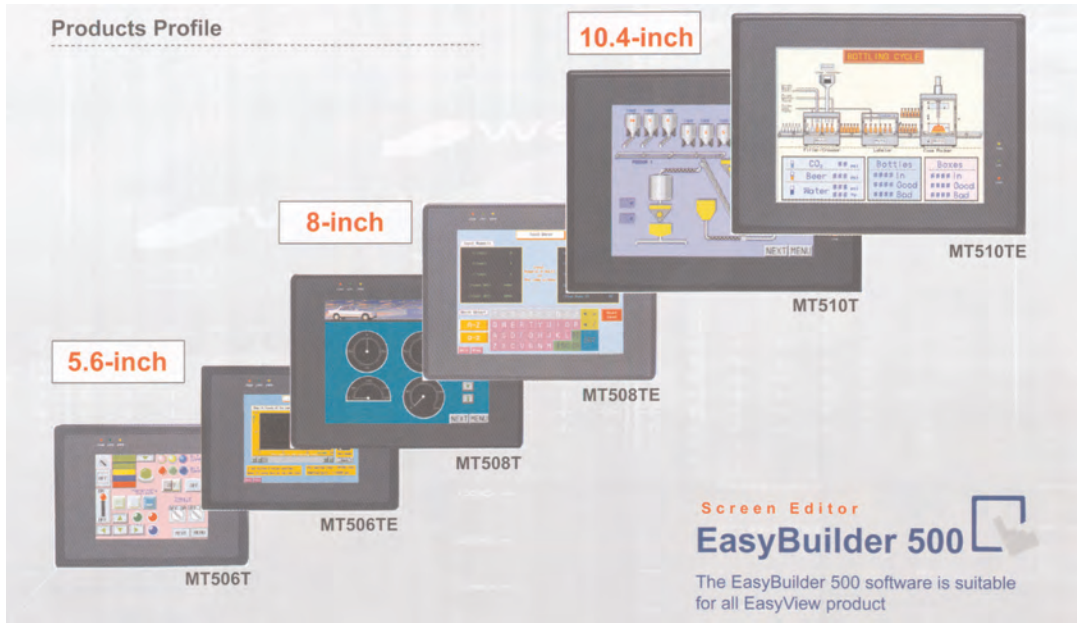


# TOUCH SCREEN FOR INDUSTRIAL APPLICATION

## Easyview MT500 series



	MT506T	MT506TE	MT508T	MT508TE	MT510T	MT510TE
Display	5.6" TFT	5.6" TFT	8" TFT	8" TFT	10.4" TFT	10.4" TFT
Color	256	256	256	256	256	256
Resolution	320 x 234	320 x 234	640 x 480	640 x 480	640 x 480	640 x 480
Flash Memory	2MB	2MB	2MB	4MB	4MB	4MB
Power Consumption	370mA@24VDC	370mA@24VDC	440mA@24VDC	440mA@24VDC	440mA@24VDC	440mA@24VDC
Operating Temperature	0~45°C	0~45°C	0~45°C	0~45°C	0~45°C	0~45°C



### Touch Screen for Industrial Applications

The EasyView 500 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 screens, bringing out the PLC's full potential, and improving production line.

#### ■ High Reliable Touch Panel

The EasyView 500 is equipped with touch panel of industrial grade. The highly reliable and rugged touch panel is critical for long term reliable operation.

#### ■ Power by 32-bit RISC processor

Touch the screen and you can feel the power of the fastest RISC processor used in any touch screen on market. The Easyview 500 offers high performance features for the industrial environment. Even the most complicated graphics can be called up in a snap.

#### ■ Power by 32-bit RISC processor

The EasyView 500 supports direct communication with most PLC's. It is not necessary for the PLC to run any special programs for data communication. The available PLC drivers include:

**AB, SIEMENS, OMRON, MITSUBISHI, KOYO, MODICON, GE FANUC, IDEC, TELEMECANIQUE, ETC...**



#### ■ High contrast and high brightness LCD display offers 256 colors

The high-quality color displays offer superior clarity and wide viewing angles. Both STN and TFT are available. The EasyView 500 offers high reliability as all the components have been carefully selected to fulfill the requirements of the modern industrial environment.

# TOUCH SCREEN FOR INDUSTRIAL APPLICATION

## Powerful Simulator

### Offline Simulator

Simulate the MT500 HMI operation on PC without MT500 HMI PLC.



### Online Simulator

Simulate the MT500 HMI operation on PC with MT500 HMI PLC. The Simulation will retrieve the data from PLC through MT500 HMI and simulate MT500 operation.



### Direct Online Simulator

Simulate the MT500 operation on PC only with PLC. The Simulation will directly retrieve the data from PLC. (There is a time limit of 10 minutes limit for the simulation.)



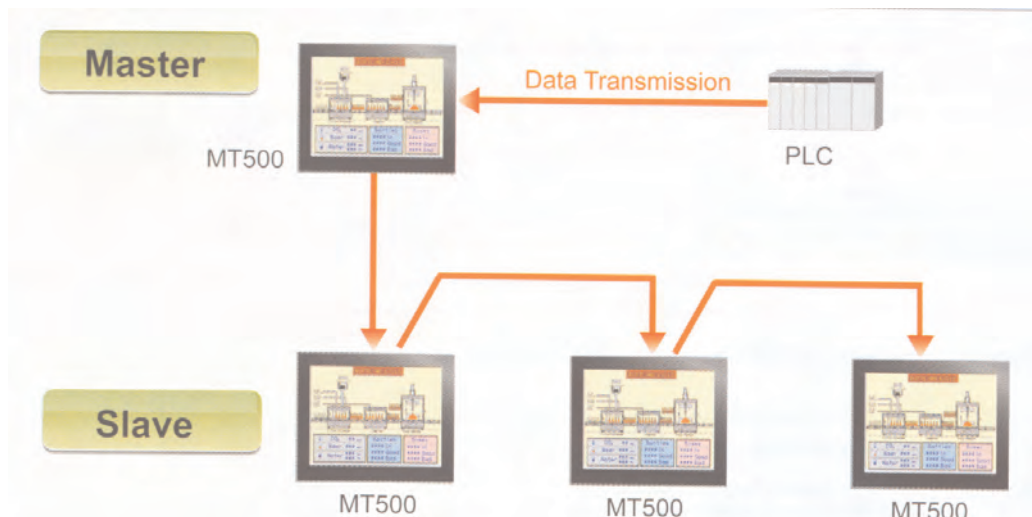
### Direct Online Simulation Of Running A Slave Project

The Slave Simulation will retrieve the data from Master MT500 HMI.  
One PC can run several simulations to monitor multiple MT500 HMI's  
(There is no time limit for the simulation.)






### Master-Slave Communication Capability

All the MT500s are connected one by one and the first one connects with the PLC.  
The MT500 now is able to support master-slave communication feature for every PLC it supports.



# TOUCH SCREEN FOR INDUSTRIAL APPLICATION

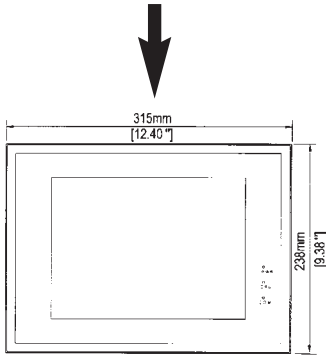
			
	<b>MT510TE</b>	<b>MT508TE</b>	<b>MT506TE</b>
<b>Display</b>	10.4" TFT	8" TFT	5.6" TFT
<b>Brightness</b>	400cd/m <sup>2</sup>	400cd/m <sup>2</sup>	500cd/m <sup>2</sup>
<b>Color</b>	256color	256color	256color
<b>Contrast Ratio</b>	300 : 1	250 : 1	150 : 1
<b>Resolution (WxH)</b>	640 x 480	640 x 480	320 x 234
<b>Back Light</b>	CCFL x 2	CCFL x 1	CCFL x 1
<b>CCFL Life Time (avg.)</b>	50,000 hr	50,000 hr	30,000 hr
<b>Touch Panel</b>	4 wires resistive type		
<b>Touch Accuracy</b>	2mm		1.5mm
<b>Surface Hardness</b>	4H		
<b>Serial Interface</b>	PC (RS-232), PLC (RS-232/485)		
<b>AUX port</b>	AUX (RS-232/RS485 2-wire)		
<b>Ethernet port</b>	Yes (10 Mbps)		
<b>Processor</b>	32 bit RISC CPU 200 MHz		
<b>Flash Memory</b>	4MB		2MB
<b>Recipe Memory</b>	1 2 8 K B		
<b>Compact Flash Card</b>	Yes		
<b>RTC</b>	Yes		
<b>Parallel Printer port</b>	Yes		N/A
<b>System Diagnostic</b>	Power failure detection		
<b>Input Power</b>	24 VDC±5%		
<b>Power Consumption</b>	440mA@24VDC	440mA@24VDC	370mA@24VDC
<b>Dimensions WxHxD</b>	315 x 238 x 62mm	231 x 176 x 55mm	204 x 150 x 48mm
<b>Panel Cutout WxH</b>	320 x 225mm	222 x 167mm	192 x 138mm
<b>Weight</b>	Approx 2.0kg	Approx 1.2kg	Approx 0.84kg
<b>General Specification</b>			
<b>CE</b>	Complies with EN50081-2 and EN50082-2 standards		
<b>FCC</b>	Complies with FCC Class A		
<b>Voltage Resistance</b>	500VAC (1 min)		
<b>Isolation Resistance</b>	Exceed 50MW at 500 VDC		
<b>Vibration Endurance</b>	10 to 25 Hz (X, Y, Z direction 2G 30 minutes)		
<b>Protection Structure</b>	IP65 front panel (O ring seal)		
<b>Storage Temperature</b>	-20~60°C		
<b>Operating Temperature</b>	0~45°C		
<b>Operation Humidity</b>	10-90% RH (non-condense)		
<b>Enclosure</b>	Plastic		

# TOUCH SCREEN FOR INDUSTRIAL APPLICATION

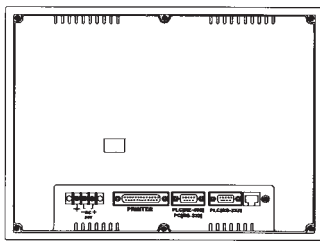
			
MT510T	MT508T	MT506T	MT506L
10.4" TFT	8.4" TFT	5.6" TFT	5.7" TFT
400cd/m <sup>2</sup>	400cd/m <sup>2</sup>	500cd/m <sup>2</sup>	120cd/m <sup>2</sup>
256color	256color	256color	4 gray scale
300 : 1	250 : 1	150 : 1	15 : 1
640 x 480	640 x 480	320 x 234	320 x 240
CCFL x 2	CCFL x 1	CCFL x 1	CCFL x 1
50,000 hr	50,000 hr	30,000 hr	50,000 hr
4 wires resistive type			
2mm		1.5mm	
4H			
PC (RS-232), PLC (RS232/485)			
AUX (RS-232/RS485 2-wire)		N/A	
N/A			
32 bit RISC CPU 200 MHz			
2MB			
1 2 8 K B			
N/A	N/A	N/A	N/A
Yes	Yes	Yes	Yes
Yes	Yes	N/A	N/A
Power failure detection			
24 VDC±5%			
440mA@24VDC	440mA@24VDC	370mA@24VDC	370mA@24VDC
315 x 238 x 62mm	231 x 176 x 55mm	204 x 150 x 48mm	204 x 150 x 48mm
302 x 225mm	222 x 167mm	192 x 138mm	192 x 138mm
Approx 2.0kg	Approx 1.2kg	Approx 0.84kg	Approx 0.84kg
<b>General Specification</b>			
Complies with EN50081-2 and EN50082-2 standards			
Complies with FCC Class A			
500VAC (1 min)			
Exceed 50MW at 500 VDC			
10 to 25 Hz (X, Y, Z direction 2G 30 minutes)			
IP65 front panel (O ring seal)			
-20~60°C			
0~45°C			
10-90% RH (non-condense)			
Plastic			

# TOUCH SCREEN FOR INDUSTRIAL APPLICATION

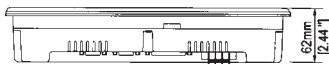
MT510T / MT510TE



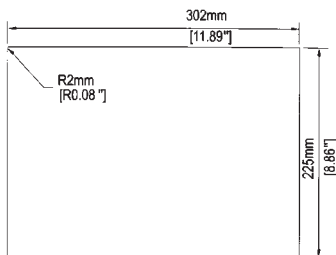
Front View



Rear View

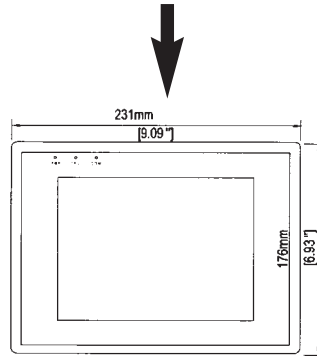


Bottom View

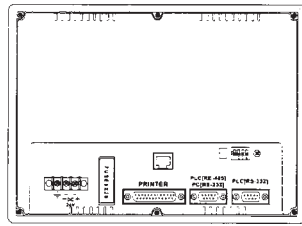


Panel cutout

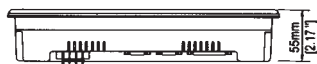
MT508T / MT508TE



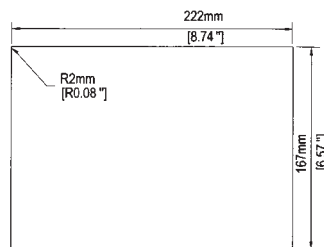
Front View



Rear View

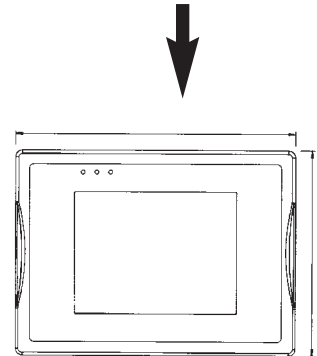


Bottom View

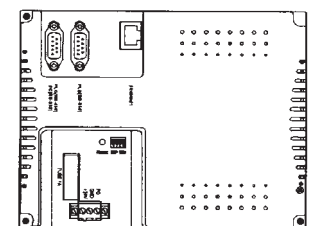


Panel cutout

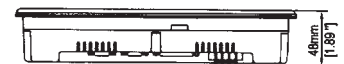
MT506T / MT506TE



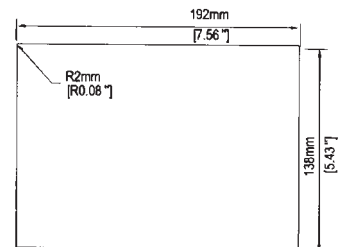
Front View



Rear View



Bottom View



Panel cutout

# TOUCH SCREEN FOR INDUSTRIAL APPLICATION

## MT500 series accessories and connect devices

### Accessories

PS506 : MT206 Protective Sheet  
 PS508 : MT508 Protective Sheet  
 PS510 : MT510 Protective Sheet



MT5-PC Cable  
 PC to MT  
 download cable



MT5-FX2N-3M Cable  
 Mitsubishi FX series



MT5-AnS Cable  
 Mitsubishi AnS series



MT5-MPI Cable  
 Siemens S7-300

### Support PLC Type

AB MicroLogix (DF1 Protocol)  
 AB SLC500 (DF1, DH485)  
 ABPLC5 (DF1 Protocol)  
 AB CompactLogix, FlexLogix  
 (AB Logix DF1)  
 Compumotor (Parker) 6k  
 Motion Controllers  
 Delta DVP  
 Emerson EC20 Series  
 Facon FB, FBs  
 Fuji NB Series  
 GE Fanuc Micro, 90-30  
 Series (GE SNP-X Protocol)  
 General GNP-CPU  
 Hitachi H Series  
 Idec Mirco3  
 IIS Emerald EMC-2000  
 INVT CHV/Che Inverter  
 Jetter Nano

Keyence KV Series  
 Koyo Direct Logic Series  
 (K-sequence)  
 Lenze 9300/8200  
 LG Glofa Cnet  
 LG Master K Cnet  
 LIYAN E  
 Matsushita (NAIS) FP  
 Mitsubishi AJ71 Communication  
 Module  
 Mitsubishi Fx Series  
 Mitsubishi A Series  
 Mitsubishi Q00/Q01 CPU, QJ71  
 Communication Module (QJ71)  
 Mitsubishi J2-S100 (MR-J2-10C)  
 Mitsubishi 232/485 BD  
 Mitsubishi FX2n-10GM/20GM  
 Modicon PLC (Modbus RTU)  
 Modicon TSX Micro, Nano, Neza  
 Series (UnitelWay)  
 OMRON CPM, CQM Series  
 Host Link

OMRON C200H/HS/ALPHA  
 Series (Host Link)  
 OMRON CP1H, CJ1, CS1 Series  
 OMRON E5Cn Series  
 SAIA PCD Series  
 Samsung SPC-10  
 Sharp JW Series  
 Siemens S7/200  
 Siemens S7/300  
 Siemens TI505 Series  
 Taian TP02 Series  
 Telemecanique Twido (Modbus RTU)  
 Toshiba T Series  
 VIGOR M/V/VB Series  
 Yokogawa FA-M3 Series  
 Siemens TI505