

TOUCH SCREEN FOR INDUSTRIAL APPLICATION

MT 8000 Series Analog Resistive Touch Panel-Precise Touch System

MT8000 Series

High Reliability : Endure at least 1 million continuous operations.
High Sensitivity & High Accuracy L Trigger off a response only by a tip.
Dedicated Overlay : Protect the screen and prolong its lifespan



High Contrast & High Brightness LCD

High-quality color displays with superior clarity, wide viewing angles and durable lifespan

MT8000 support 65536[16bit] colors and provide finer more vivid visibility. Quick response in screens exchange; Smooth screens switch without flashing. Clearly exhibit pictures, text and GIF dynamic file.



Serial Interface

Each MT8000 is Equipped with 3 serial ports which can connect to 3 different PLCs/controllers simultaneously.



Ethernet

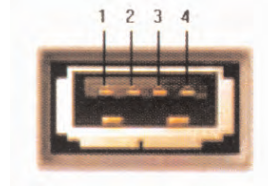
Multiple MT8000s/PLCs can be connected as a network through Ethernet. 10/100 base-T Ethernet allows several MT8000s on the network to exchange data at fast speed. Besides, any MT8000 can access data from other MT8000s. Users can also download project/data via Ethernet in a short time.

TOUCH SCREEN FOR INDUSTRIAL APPLICATION

MT 8000 Series Analog Resistive Touch Panel-Precise Touch System

USB 2.0 Interface

The flexibility of USB interface enriches the functionality of MT8000. Each MT8000 is equipped with 3 USB 2.0 interfaces which are not only for project download/upload and data storage but also for connection to printer, bar code reader, mouse and a variety of USB devices.



CF Card for Data Processing (T series only)

MT600 series provide a standard CF Card slot to improve the efficiency of recipe file, data logging and project downloading as well as to simplify the data processing.





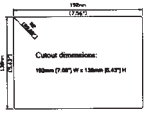

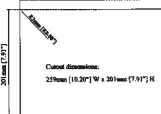
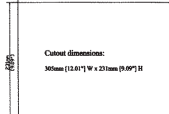


(X series only) Sound Output





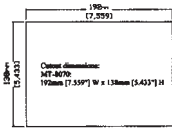
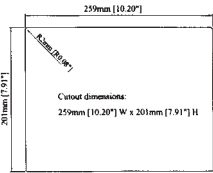
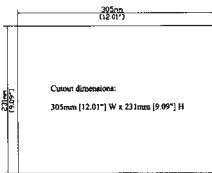
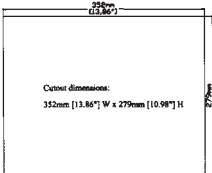
MT8000 are able to send out both audio and visual alarm timely when error condition/environment occurs.



TOUCH SCREEN FOR INDUSTRIAL APPLICATION

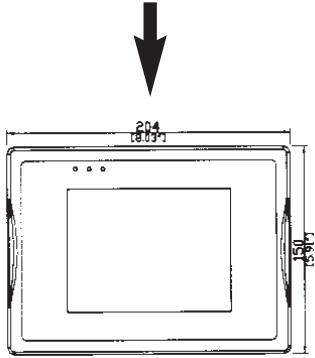
				
	MT8056T	MT8080T	MT8104T	MT8121T
Certificate	CE/UL/RoHS	CE/UL/RoHS	CE/UL/RoHS	CE/UL/RoHS
Display	5.6" TFT	8" TFT	10.4" TFT	12.1" TFT
Brightness	300cd/m ²	400cd/m ²	400cd/m ²	400cd/m ²
Color	65536 color	65536 color	65536 color	65536 color
Contrast Ratio	300 : 1	250 : 1	300 : 1	500 : 1
Resolution (WxH dots)	320 x 234	640 x 480	640 x 480	800 x 600
Back Light	LED	CCFL x 1	CCFL x 2	CCFL x 2
Life Span (avg.)	30,000 hr	50,000 hr	40,000 hr	50,000 hr
Touch Panel Type	4 wires resistive type			
Touch Accuracy	2mm			
Surface Hardness	4H			
Serial Interface	Com1 (RS232/RS485 2w/4w), Com2 (RS232), Com3 (RS232/RS485 2w)			
Ethernet Port	10/100 Base-T			
USB Interface	USB 2.0 x 2	USB 2.0 x 3		
Sound Output	N/A			
Processor	32bit RISC 200MHz CPU			
DRAM	64MB			
Flash Memory	32MB			
Recipe Memory	Yes			
RTC	Yes			
CF Card Interface	Yes (Type1)			
Operating Temperature	-10~45°C	0~45°C		
Operation Humidity	10~90% RH (non-condensing)			
Input Power	12~24±VDC±5%	24 VDC±5%		
Power Consumption	410 mA@12VDC~ 220mA@24VDC	440 mA@24VDC	440 mA@24VDC	500 mA@24VDC
Panel Cutout WxH	192x138mm(7.56"x5.43")	223x168mm(8.7"x6.5")	259x201mm(10.1"x7.8")	305x231mm(12.01"x9.09")
Weight	Approx 0.85kg (1.87lbs)	Approx 1.3kg (2.87lbs)	Approx 1.5kg (3.3lbs)	Approx 2.1kg (4.63lbs)
Panel Cutout				

TOUCH SCREEN FOR INDUSTRIAL APPLICATION

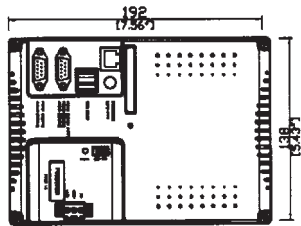
				
	MT8070T	MT8104X	MT8121X	MT8150X
Certificate	CE/UL/RoHS	CE/UL/RoHS	CE/UL/RoHS	CE/UL/RoHS
Display	7" TFT	10.4" TFT	12.1" TFT	15" TFT
Brightness	350cd/m ²	400cd/m ²	400cd/m ²	350cd/m ²
Color	65536 color	65536 color	65536 color	65536 color
Contrast Ratio	200 : 1	300 : 1	500 : 1	550 : 1
Resolution (WxH dots)	480 x 234	640 x 480	800 x 600	1024 x 768
Back Light	LED	CCFL x 2	CCFL x 2	CCFL x 2
Life Span (avg.)	30,000 hr	40,000 hr	50,000 hr	50,000 hr
Touch Panel Type	4 wires resistive type			
Touch Accuracy	2mm			
Surface Hardness	4H			
Serial Interface	Com1 (RS232/RS485 2w/4w), Com2 (RS232), Com3 (RS232/RS485 2w)			
Ethernet Port	10/100 Base-T			
USB Interface	USB 2.0 x 2		USB 2.0 x 3	
Sound Output	N/A	Line Outx1		
Processor	32bit CISC 2200MHz CPU	32bit CISC 500MHz CPU		
RAM	64MB	256MB		
Flash Memory	32MB	256MB		
Recipe Memory	Yes			
RTC	Yes			
Expansion	N/A			
Operating Temperature	-10~45°C	0~45°C		
Operation Humidity	10~90% (non-condensing)			
Input Power	24 VDC±5%			
Power Consumption	350 mA@24VDC	1.25A@24VDC	1.25A@24VDC	1.6A@24VDC
Panel Cutout WxH	192x138mm(7.56"x5.43")	223x168mm(8.7"x6.5")	259x201mm(10.1"x7.8")	352x279mm(113.86"x10.98")
Weight	Approx 0.85kg (1.87lbs)	Approx 1.3kg (2.87lbs)	Approx 1.5kg (3.3lbs)	Approx 2.9kg (6.4lbs)
Panel Cutout				

TOUCH SCREEN FOR INDUSTRIAL APPLICATION

MT8056T



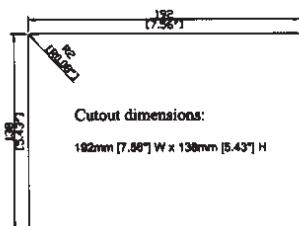
Front View



Rear View

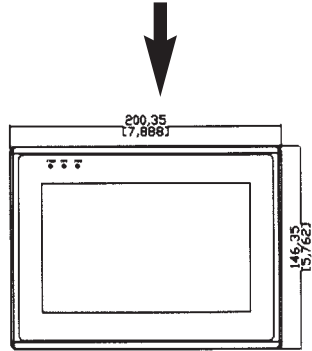


Bottom View

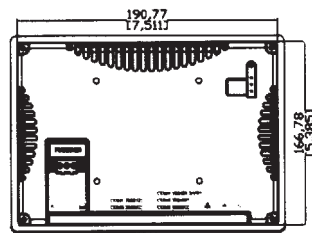


Panel cutout

MT8070T



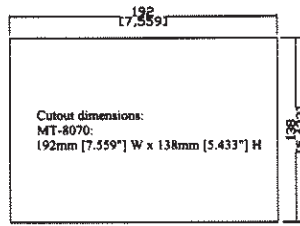
Front View



Rear View

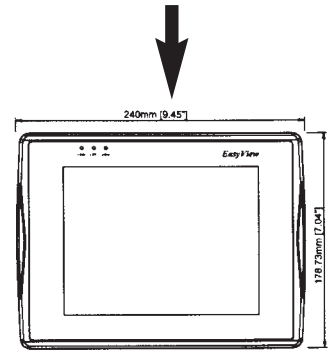


Bottom View

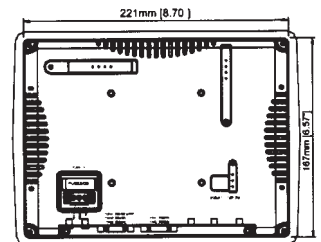


Panel cutout

MT8080i



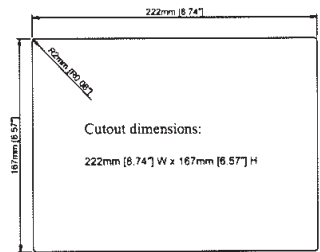
Front View



Rear View



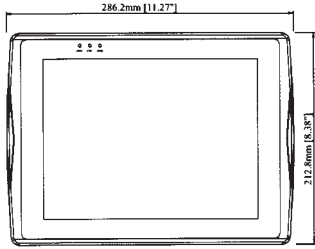
Bottom View



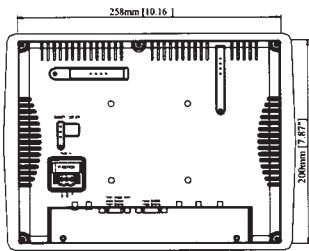
Panel cutout

TOUCH SCREEN FOR INDUSTRIAL APPLICATION

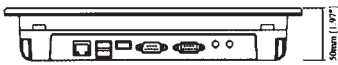
MT8104T/X



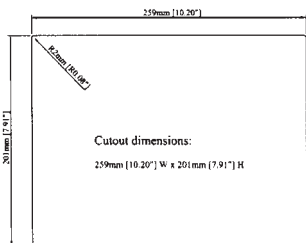
Front View



Rear View

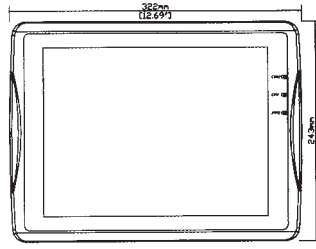


Bottom View

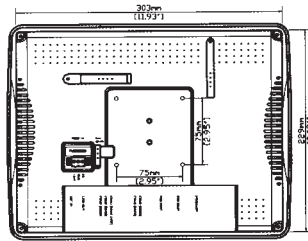


Panel cutout

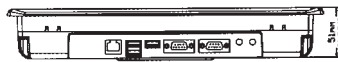
MT8121T/X



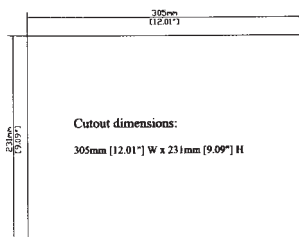
Front View



Rear View

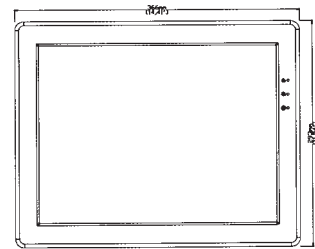


Bottom View

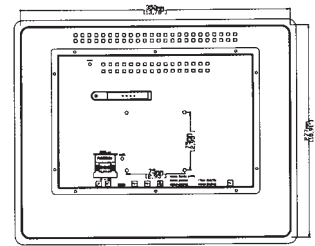


Panel cutout

MT8150X



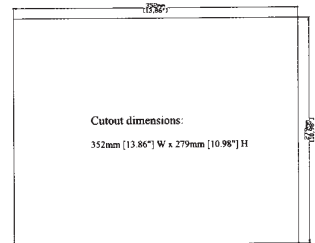
Front View



Rear View



Bottom View



Panel cutout

TOUCH SCREEN FOR INDUSTRIAL APPLICATION



MT8-MPI SIEMENS S7-300 converter



RZ0127200 USB A/A Extension Cable Extend the USB port on controlpanel



MT8-Ethernet Retractable Ethernet Crossover Cable, connect PC to HMI Series cable



PS508: 8" Protective Sheet
PS610: 10.4" Protective Sheet
PS612: 12.1" Protective Sheet



MT8-Ethernet Retractable Ethernet Crossover Cable, connect PC to HMI Series cable



PS508: 8" Protective Sheet
PS610: 10.4" Protective Sheet
PS612: 12.1" Protective Sheet



COM1 [RS-232]
COM2 [RS-232]



COM1 [RS-485]
COM3 [RS-485]
COM3 [RS-232]

Pin assignment of the 9 pin, Male, Sub-D, COM1 (RS-232) and COM2 (RS-232) Port.

Pin#	Symbol	COM1 (RS232)	COM2 (RS232)
1	Not used		
2	RxD	Received Data	
3	TxD	Transmitted Data	
4	TxD		Transmitted Data
5	GND	Signal Ground	
6	RxD		Received Data
7	RTS	Ready to send output	
8	CTS	Clear to send input	
9	Not used		

Pin assignment of the 9 pin, Female, Sub-D, COM1 (RS-485), COM3 (RS-485) and COM3 (RS-232) Port.

Pin#	Symbol	COM1 (RS485)2w	COM1 (RS485)4w	COM1 (RS485)4w	COM3 (RS232)4w
1	Rx-	Data-	Rx-		
2	Rx+	Data+	Rx+		
3	Tx-		Tx-		
4	Tx+		Tx+		
5	GND	Signal Ground			
6	Data-			Data-	
7	RxD				Transmit
8	TxD				Receive
9	Data+			Data+	