

# MT8100iE2

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## HMI with 10.1" TFT Display



#### **Feature**

- 10.1" 800 x 480 TFT LCD, LED Backlight
- Fan-less Cooling System
- Built-in 128 MB Flash Memory
- One USB Host Port
- COM1 and COM3 RS-485 dual isolation design ensures reliable operation in complex grounding application.
- COM1 and COM3 RS-485 2W support MPI 187.5K, please use one at one time
- PCB coating process ensures high reliability to resist from corrosion in harsh environment.
- Built-in Power Isolator
- NEMA4 / IP65 Compliant Front Panel

	Display	Display	10.1" TFT		
		Resolution	800 x 480		
		Brightness (cd/m <sup>2</sup> )	300		
Dis		Contrast Ratio	500:1		
		Backlight Type	LED		
		Backlight Life Time	>30,000 hrs.		
		Colors	262K		
Touch	Touch Panel	Туре	4-wire Resistive Type		
Touci		Accuracy	Active Area Length(X)±2%, Width(Y)±2%		
Mor	mor\/	Flash	128 MB		
ivier	mory	RAM	128 MB		
Proc	Processor		32 bits RISC Cortex-A8 600MHz		
		SD Card Slot	N/A		
		USB Host	USB 2.0 x 1		
		USB Client	N/A		
		Ethernet	10/100 Base-T x 1		
1/0	Port	COM Port	COM1: RS-232/RS-485 2W/4W, COM3: RS-485 2W		
1/0	Port	RS-485 Dual Isolation	Yes		
		CAN Bus	N/A		
		HDMI	N/A		
		Audio Output	N/A		
		Video Input	N/A		
R'	TC		Built-in Built-in		
	Power	Input Power	24±20%VDC		
		Power Isolation	Built-in		
Po		Power Consumption	maximum 600mA@24VDC, Class2		
FU		Voltage Resistance	500VAC (1 min.)		
		Isolation Resistance	Exceed 50MΩ at 500VDC		
		Vibration Endurance	10 to 25Hz (X, Y, Z direction 2G 30 minutes)		



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		PCB Coating	Yes	
	Specification	Enclosure	Plastic	
		Dimensions WxHxD	271 x 213 x 40 mm	
		Panel Cutout	260 x 202 mm	
		Weight	Approx. 1.3 kg	
		Mount	Panel mount	
		Protection Structure	UL Type 4X (indoor use only) / NEMA4 / IP65 Compliant	
			Front Panel	
	<b>Environment</b>	Storage Temperature	-20° ~ 60°C (-4° ~ 140°F)	
		Operating Temperature	0° ~ 50°C (32° ~ 122°F)	
		Relative Humidity	10% ~ 90% (non-condensing)	
	Certificate	CE	CE marked	
	Certificate	UL	cULus Listed	
	Software		EasyBuilder Pro V5.00.01 or later versions	

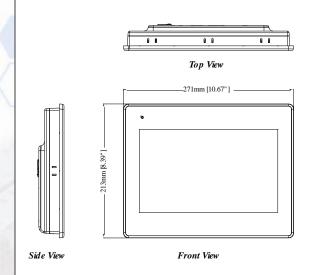
### **Software Features**

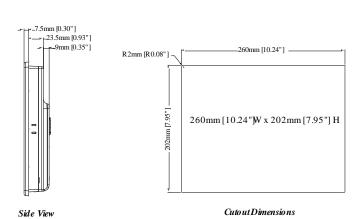
Software realures	
Project Size	16MB
History Data Size	16MB
Embed Pictures in Project	✓
Embed PLC Tag Information in Project	✓
Project Protection	✓
Enhanced Security	✓
Recipe Database / View Database	✓
Operation Log / Operation View	✓
eMail	✓
Media Player	N/A
Audio Output	N/A
Video Input	N/A
USB CAM	N/A
Flow Block	✓
Combo Button	✓
Circular Trend Display	✓
Picture View	✓
CAN Bus	N/A
VNC	✓
Download Project via USB Cable	N/A
Download Project via USB Disk	✓
Download Project via Ethernet	✓
User-Defined Boot Screen	✓
EasySystemSetting	✓

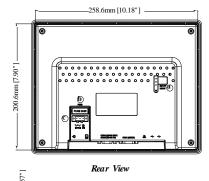


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### **Dimensions**







Rottom View



- c. Power Connector
- d. COM1 RS-485 2W/4W, COM3 RS485 2W
- **e.** COM1 RS232
- f. Ethernet Port
- g. USB Host Port

## Ordering Information

#### ☐ MT8100iE2:

10.1" 800 x 480 TFT LCD HMI, Built-in 128 MB flash memory / 128 MB DDR2 RAM

#### Pin Assignment:

COM1 [RS232] 9 Pin, Male, D-sub

PIN#	Symbol	COM1 [RS232]	
1	Not used		
2	RxD	Received Data	
3	TxD	Transmitted Data	
4	Not used		
5	GND	Ground	
6	Not used		
7	RTS	Ready to send output	
8	CTS	Clear to send input	
9	Not used		

COM1 [RS485] / COM3 [RS485] 9 Pin, Female, D-sub

PIN#	Symbol	COM1 [RS485]		COM3			
r IIN#		2W	4W	[RS485]			
1	Rx-	Data-	Rx-				
2	Rx+	Data+	Rx+				
3	Tx-		Tx-				
4	Tx+		Tx+				
5	GND	GND(COM1)					
6	Not used						
7	Data-			Data-			
8	Data+			Data+			
9	GND			GND(COM3)			

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