

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

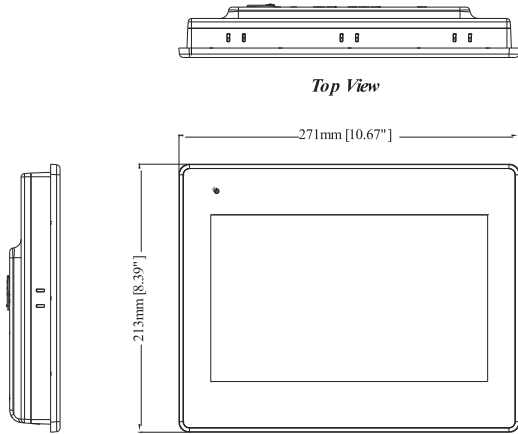
Display	Display	10.1" TFT
	Resolution	800 x 480
	Brightness (cd/m ²)	300
	Contrast Ratio	500:1
	Backlight Type	LED
	Backlight Life Time	>30,000 hrs.
	Colors	262K
Touch Panel	Type	4-wire Resistive Type
	Accuracy	Active Area Length(X)±2%, Width(Y)±2%
Memory	Flash	128 MB
	RAM	128 MB
Processor		32 bits RISC Cortex-A8 600MHz
I/O Port	SD Card Slot	N/A
	USB Host	USB 2.0 x 1
	USB Client	N/A
	Ethernet	10/100 Base-T x 1
	COM Port	COM1: RS-232/RS-485 2W/4W, COM3: RS-485 2W
	RS-485 Dual Isolation	Yes
	CAN Bus	N/A
	HDMI	N/A
	Audio Output	N/A
	Video Input	N/A
RTC		Built-in
Power	Input Power	24±20%VDC
	Power Isolation	Built-in
	Power Consumption	maximum 600mA@24VDC, Class2
	Voltage Resistance	500VAC (1 min.)
	Isolation Resistance	Exceed 50MΩ at 500VDC
	Vibration Endurance	10 to 25Hz (X, Y, Z direction 2G 30 minutes)

Specification	PCB Coating	Yes
	Enclosure	Plastic
	Dimensions WxHxD	271 x 213 x 40 mm
	Panel Cutout	260 x 202 mm
	Weight	Approx. 1.3 kg
	Mount	Panel mount
Environment	Protection Structure	UL Type 4X (indoor use only) / NEMA4 / IP65 Compliant Front Panel
	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
	UL	cULus Listed
Software		EasyBuilder Pro V5.00.01 or later versions

Software Features

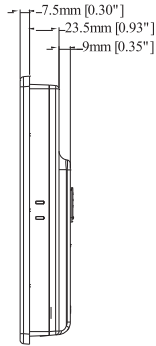
Project Size	16MB
History Data Size	16MB
Embed Pictures in Project	Yes
Embed PLC Tag Information in Project	Yes
Project Protection	Yes
Enhanced Security	Yes
Recipe Database / View Database	Yes
Operation Log / Operation View	Yes
eMail	Yes
Media Player	N/A
Audio Output	N/A
Video Input	N/A
USB CAM	N/A
Flow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

Dimensions

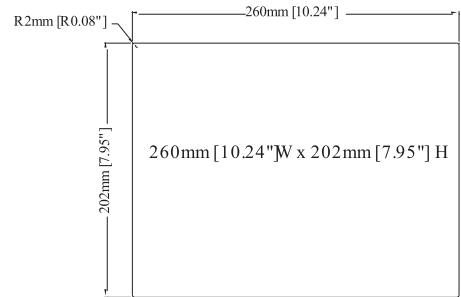


Side View

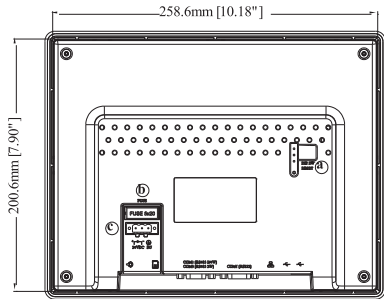
Front View



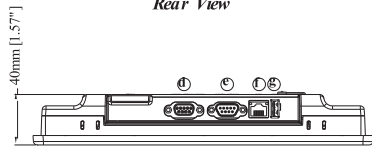
Side View



Cutout Dimensions



Rear View



Bottom View

- a. DIP SW
- b. Fuse
- 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 [RS485]
		2W	4W	
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)