

MT8073iE

HMI with 7" TFT Display



Features

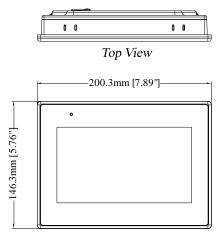
- 7" 800 x 480 TFT LCD, LED Backlight
- Fan-less Cooling System
- Two Gigabit Ethernet Ports
- COM2 and COM3 RS-485 support MPI 187.5K, please use one at one time
- PCB coating process ensures high reliability to resist from corrosion in harsh environment
- Built-in Power Isolation
- NEMA4 / IP65 Compliant Front Panel
- Built-in EasyAccess 2.0 License

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	Display	7" TFT	
	Resolution	800 x 480	
	Brightness (cd/m²)	400	
	Contrast Ratio	800:1	
Display	Backlight Type	LED	
	Backlight Life Time	>30,000 hrs.	
	Colors	16.7M	
	LCD Viewing Angle (T/B/L/R)	60/80/80	
		4-wire Resistive Type	
Touch Panel	Type		
	Accuracy	Active Area Length(X)±2%, Width(Y)±2% 128 MB	
Memory	Flash		
	RAM 128 MB		
Processor		32 bits RISC Cortex-A8 600MHz	
	SD Card Slot	N/A	
	USB Host	USB 2.0 x 1	
	USB Client	N/A	
	Ethernet	10/100/1000 Base-T x 2	
	COM Port	COM1: RS-232, COM2: RS-485 2W/4W,	
I/O Port	CONTOIL	COM3: RS-232/RS-485 2W*	
	RS-485 Dual Isolation	N/A	
	CAN Bus	N/A	
	HDMI	N/A	
	Audio Output	N/A	
	Video Input	N/A	
RTC		Built-in	
	Input Power	24±20%VDC	
	Power Isolation	Built-in	
_	Power Consumption	600mA@24VDC	
Power	Voltage Resistance	500VAC (1 min.)	
	Isolation Resistance	Exceed 50MΩ at 500VDC	
	Vibration Endurance	10 to 25Hz (X, Y, Z direction 2G 30 minutes)	
	PCB Coating	Yes	
	Enclosure	Plastic	
	Dimensions WxHxD	200.3 x 146.3 x 34 mm	
Specification	Panel Cutout	192 x 138 mm	
	Weight	Approx. 0.6 kg	
	Mount	Panel mount	
	Widant	UL Type 4X (indoor use only) / NEMA4 / IP65 Compliant	
	Protection Structure	Front Panel	
Environment	Storage Temperature	-20° ~ 60°C (-4° ~ 140°F)	
LITVII OIIIII CIII	Operating Temperature	0° ~ 50°C (32° ~ 122°F)	
	Relative Humidity	10% ~ 90% (non-condensing)	
	CE	CE marked	
Certificate	ATEX	ATEX Zone 2/22 Category 3 G/D	
Gertificate	UL	cULus Listed	
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Software		EasyBuilder Pro V5.02.01 or later versions	

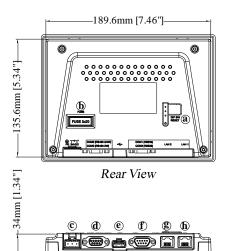
^{*}Only Tx & Rx (no RTS/CTS) may be used for COM1 RS-232 when COM3 RS-232 is also used.

MT8073iE

Dimensions



Front View



Bottom View

Side View	Cutout Dimensions

- a. DIP SW
 b. Fuse
 c. Power Connector
 d. COM2 RS-485 2W/4W, COM3 RS-485 2W
 e USB Host Port
 f COM1 RS-232, COM3 RS-232
 - g. LAN 2
- **h.** LAN 1

Ordering Information

☐ MT8073iE1:

7" 800 x 480 TFT LCD HMI, Built-in 128 MB flash memory / 128 MB DDR2 RAM on board, Built-in EasyAccess 2.0 license

☐ RZUSK7010 (included in package)

USB Clamp & Tying Strap

Pin Assignment:

COM1/COM3 [RS232] 9 Pin, Male, D-sub

PIN#	COM1 [RS232]	COM3 [RS232]	
1			
2	RxD		
3	TxD		
4			
5	GND		
6			
7	RTS	TxD	
8	CTS	RxD	
9	GND		

COM2 / COM3 [RS485] 9 Pin, Female, D-sub

PIN#	COM2 [RS485]2W	COM2 [RS485]4W	COM3 [RS485]
1	Data-	Rx-	
2	Data+	Rx+	
3		Tx-	
4		Tx+	
5		GND	
6			Data-
7			
8			
9			Data+

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