

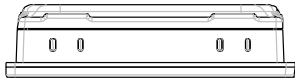


◆ Features

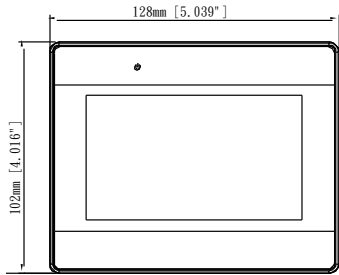
- Wide input voltage range: 10.5~28VDC
- 4.3" 480 x 272 TFT LCD, LED Backlight
- Slim design
- Fan-less Cooling System
- Two Ethernet Ports
- COM1 and COM3 RS-485 2W support MPI 187.5K, please use one at one time
- PCB coating process ensures high reliability to resist from corrosive in harsh environment
- Built-in Power Isolator
- Built-in EasyAccess 2.0 License
- NEMA4 / IP65 Compliant Front Panel

Display	Display	4.3" TFT
	Resolution	480 x 272
	Brightness (cd/m ²)	400
	Contrast Ratio	500:1
	Backlight Type	LED
	Backlight Life Time	>30,000 hrs.
	Colors	16.7M
	LCD Viewing Angle (T/B/L/R)	50/70/70/70
	Pixel Pitch (mm)	0.198(H)x0.198(V)
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	LAN 1: 10/100/1000 Base-T x 1 LAN 2: 10/100 Base-T x 1
	COM Port	COM1: RS-232/RS-485 2W/4W, COM3: RS-485 2W
RTC		Built-in
Power	Input Power	10.5 ~ 28VDC
	Power Isolation	Built-in
	Power Consumption	900mA@12VDC ; 450mA@24VDC
	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	128 x 102 x 32 mm
	Panel Cutout	119 x 93 mm
	Weight	Approx. 0.25 kg
	Mount	Panel mount
Environment	Protection Structure	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	
Software		EasyBuilder Pro V6.02.01 or later versions

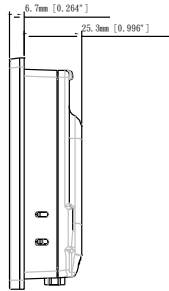
Dimensions Drawing



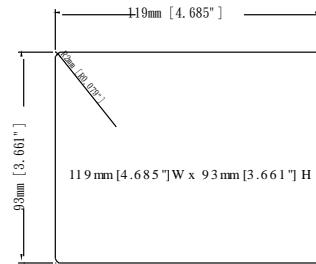
Top View



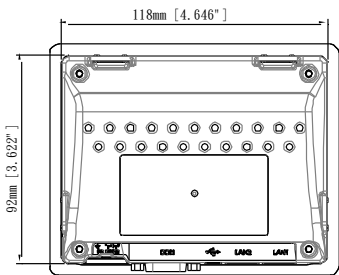
Front View



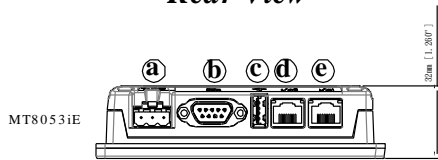
Side View



Cutout Dimensions

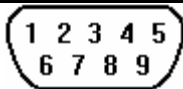


Rear View



Bottom View

Pin Designations



Pin assignment of the 9 Pin, Male, D-sub
 COM1: RS-232/RS-485 2W/4W
 COM3: RS-485 2W

PIN#	COM1 [RS485]		COM1 [RS232]	COM3 [RS485]
	4 wire	2 wire		
1	Rx-	Data-		
2	Rx+	Data+		
3	Tx-			
4	TX+			
5	GND			
6			TxD	
7				Data-
8				Data+
9			RxD	

a	Power Connector
b	COM1: RS-232/RS-485 2W/4W COM3: RS-485 2W
c	USB Host Port
d	LAN 2
e	LAN 1

Ordering Information

MT8053iE:
 4.3" TFT LCD HMI, 128 MB flash memory /
 128 MB DDR3 RAM on board.