

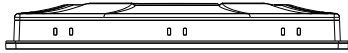
HMI with 10.1" TFT Display

Feature

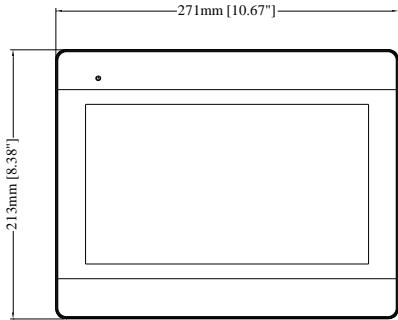
- 10.1" 1024 x 600 TFT LCD, LED Backlight
- Fan-less Cooling System
- COM2 and COM3 RS-485 support MPI 187.5K, please use one at a time.
- PCB coating process ensures high reliability to resist from corrosion in harsh environment.
- Built-in Power Isolation
- CAN Bus Supports CANopen, CAN Bus 2.0A/2.0B and SAE J1939
- NEMA4 / IP66 Compliant Front Panel
- Wi-Fi compatible with 802.11 b/g/n
- Built-in EasyAccess 2.0 License

Display	Model	cMT3103	
	Display	10.1" TFT	
	Resolution	1024 x 600	
	Brightness (cd/m ²)	350	
	Contrast Ratio	500:1	
	Backlight Type	LED	
	Backlight Life Time	>50,000 hrs.	
	Colors	16.7M	
	LCD Viewing Angle (T/B/L/R)	60/60/70/70	
	Pixel Pitch (mm)	0.2175(H) x 0.2088(V)	
Touch Panel	Type	4-wire Resistive Type	
	Accuracy	Active Area Length(X)±2%, Width(Y)±2%	
Memory	Flash	4 GB	
	RAM	1 GB	
Processor		32-bit RISC 1GHz	
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	
	Wi-Fi		IEEE 802.11 b/g/n
			802.11b: max 19.25 dBm
			802.11g: max 13.74 dBm
			802.11n: max 15.01 dBm
	COM Port	Con.A:COM2 RS-485 2W/4W,COM3 RS-485 2W,CAN Bus Con.B: COM1/COM3 RS-232*	
	RS-485 Dual Isolation	N/A	
CAN Bus	Yes		
Audio Output	N/A		
Video Input	N/A		
RTC		Built-in	
Power	Input Power	10.5~28VDC	
	Power Isolation	Built-in	
	Power Consumption	2A@12V ; 1A@24V	
	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 36.4 mm	
	Panel Cutout	260 x 202 mm	
	Weight	Approx. 1.07 kg	
	Mount	Panel mount	
	Protection Structure	UL Type 4X (indoor use only) / NEMA4 / IP66 Compliant Front Panel	
Environment	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 V6.00.02 or later versions	

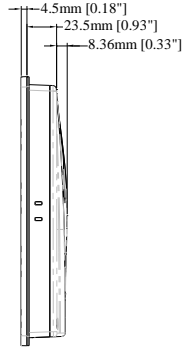
Dimensions



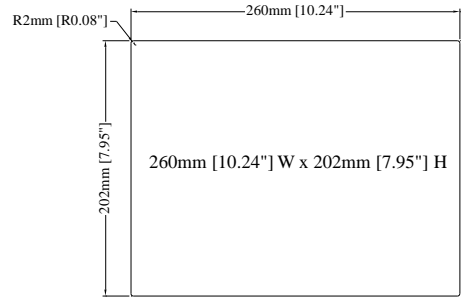
Top View



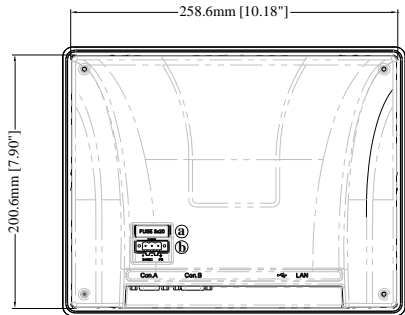
Front View



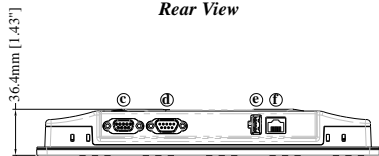
Side View



Cutout Dimensions



Rear View



Bottom View

a.	Fuse
b.	Power Connector
c.	Con.A: COM2 RS-485 2W/4W, COM3 RS-485 2W, CAN Bus
d.	Con.B: COM1 RS-232 / COM3 RS-232
e.	USB Host Port
f.	LAN

Ordering Information

- cMT3103:**
10.1" 1024 x 600 TFT LCD HMI, Built-in 4GB flash memory / 1GB DDR3 RAM on board, Built-in EasyAccess 2.0 License
- RZUSK7010 (included in package)**
USB Clamp & Tying Strap
- RP0C3A300 (included in package)**
10.1" Screen Protective Film

Pin Assignment:

Con.B: 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		

Con.A: COM2 / COM3 [RS485]/ CAN Bus, 9 Pin, Female, D-sub

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