



Feature

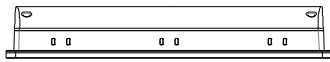
- 10.1" 1024 x 600 TFT LCD, LED Backlight
- Built-in 4GB Flash Memory and RTC
- Fan-less Cooling System
- PCB coating process ensures high reliability to resist from corrosion in harsh environment.
- Built-in Power Isolation
- NEMA4 / IP66 Compliant Front Panel

Display	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)	70/70/80/80
	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		Quad-core 32-bit RISC 1.6 GHz
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	Con.A: COM2 RS-485 2W/4W, COM3 RS-485 2W Con.B: COM1 RS-232 4W, COM3 RS-232 2W* MPI is not supported.
	RS-485 Dual Isolation	N/A
	CAN Bus	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	1.4A@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	271 x 213 x 43 mm
	Panel Cutout	260 x 202 mm
	Weight	Approx. 1.2 kg
	Mount	Panel mount
Environment	Protection Structure	NEMA4 / IP66 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
Software		EasyBuilder Pro EasyAccess 2.0 (Optional) CODESYS® (Optional)*

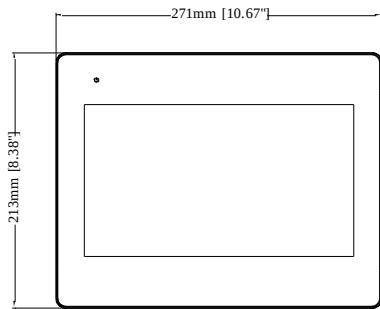
*Only Tx & Rx (no RTS/CTS) may be used for COM1 RS-232 when COM3 RS-232 is also used.

* CODESYS® is a trademark of 3S-Smart Software Solutions GmbH.

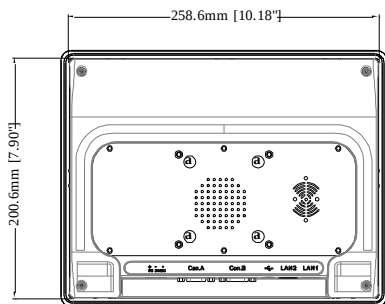
Dimensions



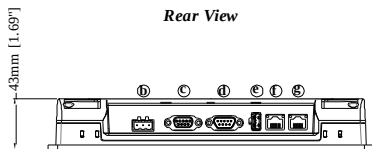
Top View



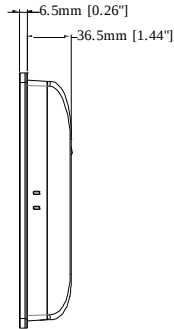
Front View



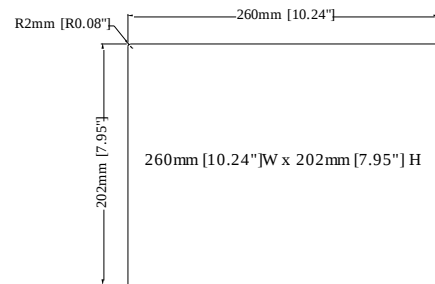
Rear View



Bottom View



Side View



Cutout Dimensions

a.	VESA 75 mm Screw Holes
b.	Power Connector
c.	Con.A: COM2 RS-485 2W/4W, COM3 RS-485 2W
d.	Con.B: COM1 RS-232 / COM3 RS-232
e.	USB Host Port
f.	LAN 2
g.	LAN 1

Ordering Information

❑ cMT3108X:

10.1" 1024 x 600 TFT LCD HMI, Built-in 4GB flash memory / 1GB DDR3 RAM on board

❑ RZUSK7010 (included in package)

USB Clamp & Tying Strap

Optional:

❑ RZACEA020: EasyAccess 2.0 Activation Card

❑ RZ0CDS000: CODESYS activation card & license sticker

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], 9 Pin, Female, D-sub

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

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cMT3108X_Datasheet_ENG_20201221