



Feature

- 10.1" 1024 x 600 Wide Viewing Angle LCD, LED Backlight
- Built-in 4GB Flash Memory and RTC
- Fan-less Cooling System
- COM2 / COM3 RS-485 2W supports 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
- NEMA4 / IP66 Compliant Front Panel
- Compatible with M02 WiFi Expansion Module that supports wireless communication.

Display	Display	10.1" Wide Viewing Angle (WVA)
	Resolution	1024 x 600
	Brightness (cd/m ²)	350
	Contrast Ratio	1000:1
	Backlight Type	LED
	Backlight Life Time	>50,000 hrs.
	Colors	16.7M
	LCD Viewing Angle (T/B/L/R)	89/89/89/89
	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 RISC
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
	WiFi	M02 WiFi Expansion Module (Optional)
	COM Port	Con.A: COM2 RS-485 2W/4W, COM3 RS-485 2W Con.B: COM1 RS-232 4W, COM3 RS-232 2W*
	RS-485 Dual Isolation	N/A
	CAN Bus	N/A
	Audio Output	N/A
RTC		Built-in
Power	Input Power	24±20%VDC
	Power Isolation	Built-in
	Power Consumption	1A@24VDC
	Voltage Resistance	500VAC (1 min.)
	Isolation Resistance	Exceed 50MΩ at 500VDC
Specification	PCB Coating	Yes
	Enclosure	Plastic
	Dimensions WxHxD	271 x 213 x 38 mm
	Panel Cutout	260 x 202 mm
	Weight	Approx. 1.2 kg
	Mount	Panel mount, VESA mount 75 x 75 mm
Environment	Protection Structure	UL Type 4X (indoor use only) / 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)
	Altitude (Air Pressure)	Below 3,000 meters (70.1kPa)
	Vibration Endurance	10 to 25Hz (X, Y, Z direction 2G 30 minutes)
Certificate	CE	CE marked
	UL	cULus Listed
Software	EasyBuilder Pro	V6.06.02 or later versions*
	Weincloud	EasyAccess 2.0 (Optional), Dashboard (Optional)
	CODESYS®	Optional

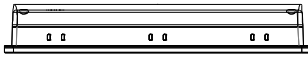
*MPI is supported on units labeled as cMT2108X2 (V2).

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

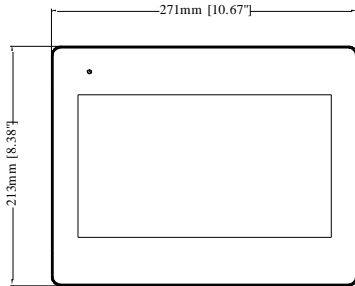
*For units labeled as cMT2108X2 (V2), please select cMT2108X2 (V2) as the HMI model in EasyBuilder Pro (minimum software requirement: EasyBuilder Pro V6.08.01).

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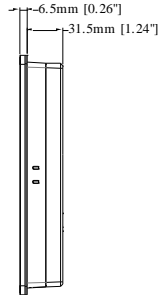
Dimensions



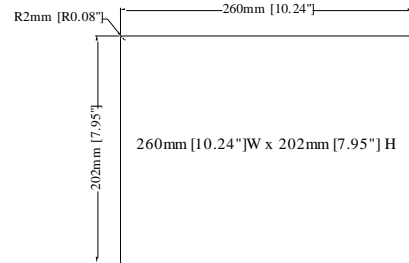
Top View



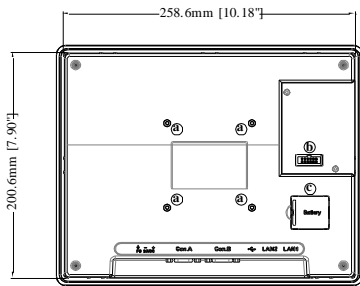
Front View



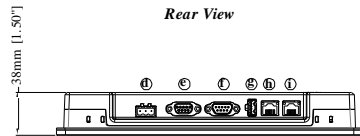
Side View



Cutout Dimensions



Rear View



Bottom View

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

Ordering Information

- cMT2108X2:**
10.1" 1024 x 600 WVA LCD HMI, Built-in 4GB flash memory / 1GB DDR3 RAM on board
 - RZUSK7010 (included in package)**
USB Clamp & Tying Strap
- Optional:
 - M02:** WiFi Expansion Module
 - RZACEA020:** EasyAccess 2.0 Activation Card
 - RZOCDS000:** CODESYS License

Pin Assignment:
Con.B: COM1 / COM3 [RS232], 9 Pin, Male, D-sub

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

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

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

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cMT2108X2_Datasheet_ENG_20240514