

# cMT3072X2

# HMI with 7" TFT Display



#### **Feature**

- 7" 800 x 480 TFT LCD, LED Backlight Quad-core CPU with High Performance Dedicated 3D

- Frocessor
  Fan-less Cooling System
  Built- in 4GB Flash Memory and RTC
  COM2 / COM3 RS-485 2W supports MPI 187.5K,
  please use one at a time.
  Built-in Power Isolator
  NEMA4 / IP66 Compliant Front Panel

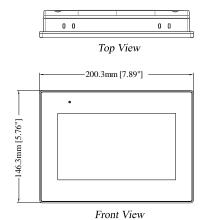
	Display	7" TFT	
Display	Resolution	800 x 480	
	Brightness (cd/m²)	400	
	Contrast Ratio	800:1	
	Backlight Type	LED	
	Backlight Life Time	>30,000 hrs.	
	Colors	16.7M	
	LCD Viewing Angle (T/B/R/L)		
	Pixel Pitch (mm)	0.1926(H) x 0.179(V)	
	Type	4-wire Resistive Type	
	Accuracy	Active Area Length(X)±2%, Width(Y)±2%	
	Flash	4 GB	
Memory	RAM	1 GB	
Processor		Quad-core RISC	
F10062201	SD Card Slot		
		N/A	
	USB Host	USB 2.0 x 1	
	USB Client	N/A	
I/O Bort	Ethernet	LAN 1: 10/100 Base-T x 1 LAN 2: 10/100 Base-T x 1	
		Con.A: COM2 RS-485 2W/4W, COM3 RS-485 2W	
1/0 1 011	COM Port	Con.B: COM1 RS-232 4W, COM3 RS-232 2W*	
	RS-485 Dual Isolation	N/A	
	CAN Bus	N/A	
	HDMI	N/A	
	Audio Output	N/A	
RTC		Built-in	
	Input Power	24±20%VDC	
	Power Isolation	Built-in	
Power	Power Consumption	820mA@24VDC	
	Voltage Resistance	500VAC (1 min.)	
	Isolation Resistance	Exceed 50MΩ at 500VDC	
	PCB Coating	Yes	
	Enclosure	Plastic	
	Dimensions WxHxD	200.3 x 146.3 x 35.0 mm	
Specification	Panel Cutout	192 x 138 mm	
	Weight	Approx. 0.6 kg	
	Mount	Panel mount	
	Protection Structure	UL Type 4X (indoor use only) / NEMA4 / IP66 Compliant Front Panel	
	Storage Temperature	-20° ~ 60°C (-4° ~ 140°F)	
	Operating Temperature	0° ~ 55°C (32° ~ 131°F)	
Environment	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)	
	CE	CE marked	
Certificate	UL	cULus Listed	
	EasyBuilder Pro	V6.07.01 or later versions*	
Software	Weincloud	EasyAccess 2.0 (Optional), Dashboard (Optional)	
	CODESYS®	Optional	
		- Priorial	

<sup>\*</sup>Only Tx & Rx (no RTS/CTS) may be used for COM1 RS-232 when COM3 RS-232 is also used. \*The minimum software requirement for MPI: EasyBuilder Pro V6.07.02.

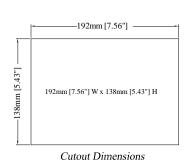
<sup>\*</sup>CODESYS® is a trademark of CODESYS GmbH.

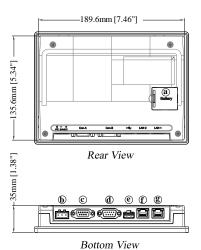


### **Dimensions**









а	Battery	е	USB Host Port
b	Power Connector	f	LAN 2
С	Con.A:	g	LAN 1
	COM2 RS-485 2W/4W,		
	COM3 RS-485 2W		
d	Con.B:		
	COM1 RS-232 4W,		
	COM3 RS-232 2W		

## **Accessories**

□ cMT3072X2:

7" TFT LCD HMI, 4GB flash memory, 1GB RAM on board

☐ RP0060700 (included in package)

7' Screen Protective Film

☐ RZUSK7010 (included in package)

USB Clamp & Tying Strap

Optional:

□ RZ0CDS000: CODESYS License

☐ RZACEA020: EasyAccess 2.0 Activation Card

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]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+