



### Feature

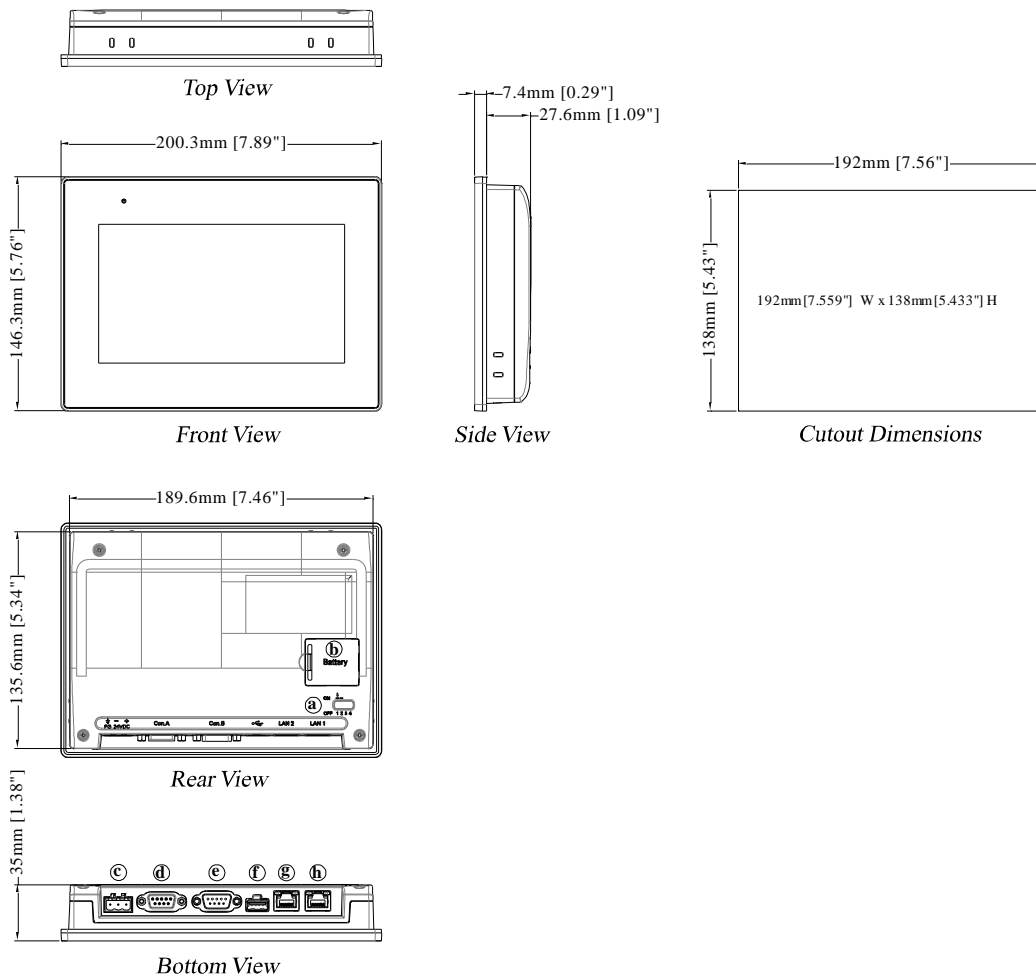
- 7" 800 x 480 TFT LCD, LED Backlight
- Quad-core Cortex-A35 CPU with High Performance dedicated 3D Processor
- Fan-less Cooling System
- Built-in 4GB Flash Memory and RTC
- Built-in Power Isolator
- NEMA4 / IP66 Compliant Front Panel

<b>Display</b>	Display	7" TFT
	Resolution	800 x 480
	Brightness (cd/m <sup>2</sup> )	400
	Contrast Ratio	800:1
	Backlight Type	LED
	Backlight Life Time	>30,000 hrs.
	Colors	16.7M
	LCD Viewing Angle (T/B/R/L)	80/60/80/80
	Pixel Pitch (mm)	0.1926(H) x 0.179(V)
<b>Touch Panel</b>	Type	4-wire Resistive Type
	Accuracy	Active Area Length(X)±2%, Width(Y)±2%
<b>Memory</b>	Flash	4 GB
	RAM	1 GB
<b>Processor</b>		Quad-core 64-bit RISC 1.5 GHz
<b>I/O Port</b>	SD Card Slot	N/A
	USB Host	USB 2.0 x 1
	USB Client	N/A
	Ethernet	LAN 1: 10/100 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
	HDMI	N/A
	Audio Output	N/A
<b>RTC</b>		Built-in
<b>Power</b>	Input Power	24±20%VDC
	Power Isolation	Built-in
	Power Consumption	820mA@24VDC
	Voltage Resistance	500VAC (1 min.)
	Isolation Resistance	Exceed 50MΩ at 500VDC
	Vibration Endurance	10 to 25Hz (X, Y, Z direction 2G 30 minutes)
<b>Specification</b>	PCB Coating	Yes
	Enclosure	Plastic
	Dimensions WxHxD	200.3 x 146.3 x 35.0 mm
	Panel Cutout	192 x 138 mm
	Weight	Approx. 0.6 kg
	Mount	Panel mount
<b>Environment</b>	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)
	Relative Humidity	10% ~ 90% (non-condensing)
<b>Certificate</b>	CE	CE marked
	UL	cULus Listed
<b>Software</b>		EasyBuilder Pro V6.05.02 or later versions 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



<b>a</b>	DIP SW	<b>e</b>	Con.B: COM1 RS-232 4W, COM3 RS-232 2W
<b>b</b>	Battery	<b>f</b>	USB Host Port
<b>c</b>	Power Connector	<b>g</b>	LAN 2
<b>d</b>	Con.A: COM2 RS-485 2W/4W, COM3 RS-485 2W,	<b>h</b>	LAN 1

## Ordering Information

- cMT2078X:**  
7" TFT LCD HMI, 4GB flash memory, 1GB RAM on board
  - RZUSK7010 (included in package)**  
USB Clamp & Tying Strap
- Optional:
- RZ0CDS000:** CODESYS activation card & license sticker
  - 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+