



Feature

- 10.1" 1024 x 600 Wide Viewing Angle LCD
- Built-in RFID
- Built-in 4GB Flash Memory and RTC
- COM2 and COM3 RS-485 support MPI 187.5K, please use one at a time.
- CAN Bus Supports CANopen, CAN Bus 2.0A/2.0B and SAE J1939
- 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, CAN Bus
	CAN Bus	Con.B: COM1 RS-232 4W, COM3 RS-232 2W ^{*1}
	Audio Output	Yes
RFID	Compatibility Standard	ISO/IEC 14443 Type A/B, Frequency: 13.56 MHz
	Reading Distance	Max. 4 cm ^{*2}
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	3,000 m
Certificate	Vibration Endurance	10 to 25Hz (X, Y, Z direction 2G 30 minutes)
	CE	CE marked
	ATEX	ATEX Zone 2/22 Category 3 G/D
Software	UL	cULus Listed
	EasyBuilder Pro	V6.09.02 or later versions ^{*3}
	Weincloud	EasyAccess 2.0 (Optional), Dashboard (Optional)
	CODESYS®	Optional ^{*4}

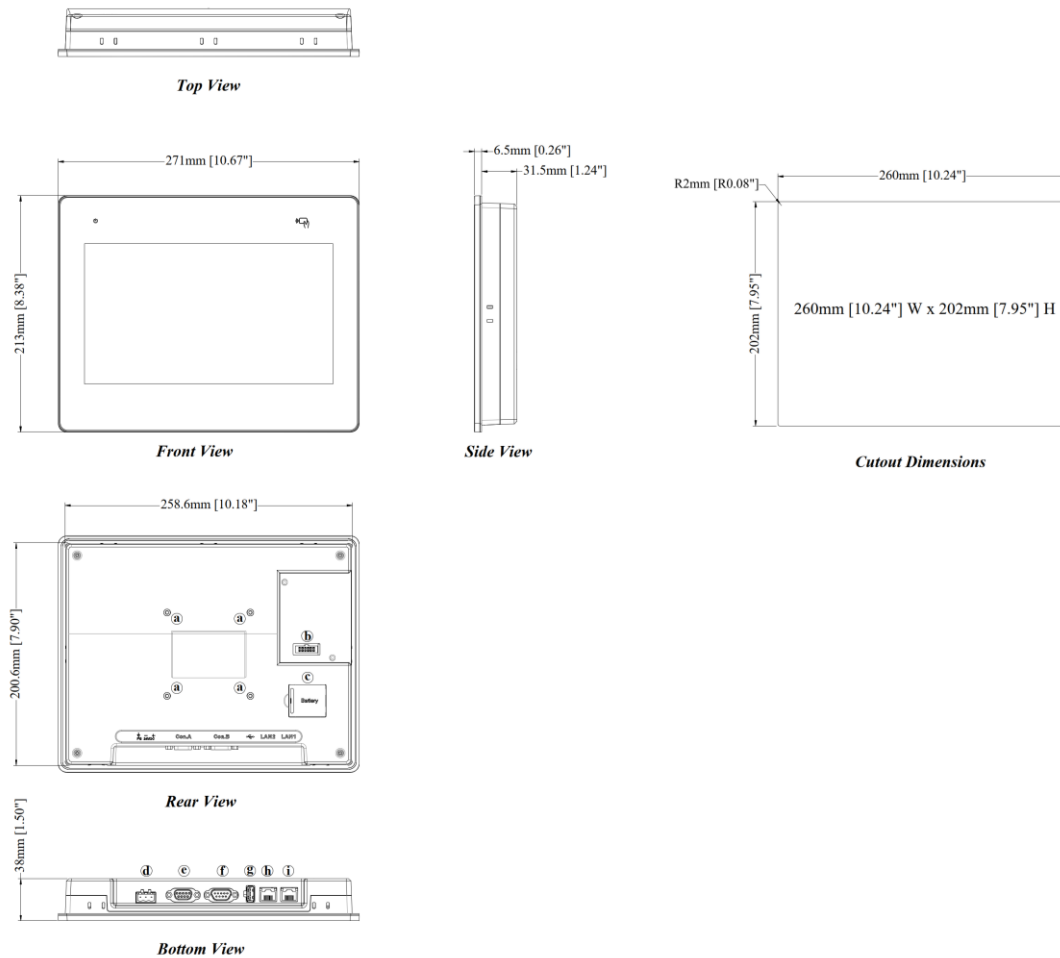
^{*1} Only Tx & Rx (no RTS/CTS) may be used for COM1 RS-232 when COM3 RS-232 is also used.

^{*2} RFID reading distance depends on tag size and antenna design.

^{*3} Please select cMT3102X (V2) as the HMI model in EasyBuilder Pro.

^{*4} CODESYS® is a trademark of CODESYS GmbH.

Dimensions



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, CAN Bus
f	Con.B: COM1 RS-232 4W, COM3 RS-232 2W
g	USB Host Port
h	LAN 2
i	LAN 1

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	

Ordering Information

❑ cMT3102X (R):

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

❑ RP0C3A300 (included in package)

10.1" Screen Protective Film

Optional:

❑ **M02**: WiFi Expansion Module

❑ **RZACEA020**: EasyAccess 2.0 Activation Card

❑ **RZ0CDS000**: CODESYS License

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

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