WEINTEK

cMT3108XP

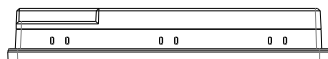## HMI with 10.1" WVA Display

Feature

- 10.1" 1280 x 800 Wide Viewing Angle LCD, LED Backlight
- Built-in 4GB Flash Memory and RTC
- COM2 and COM3 RS-485 2W support MPI 187.5K, please use one at a time.
- CAN Bus Supports CANopen, CAN Bus 2.0A/2.0B and SAE J1939
- 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
- Compatible with M02 WiFi Expansion Module that supports wireless communication.

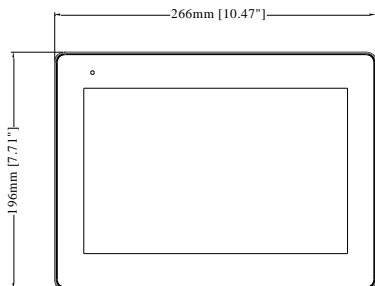| Category	Item	Specification
Display	Display	10.1" Wide Viewing Angle (WVA)
	Resolution	1280 x 800
	Brightness (cd/m^2)	425
	Contrast Ratio	800:1
	Backlight Type	LED
	Backlight Life Time	>50,000 hrs.
	Colors	16.7M
	LCD Viewing Angle (T/B/L/R)	89/89/89/89
	Pixel Pitch (mm)	0.1695 (H) x 0.1695 (V)
Touch Panel	Type	Tempered Glass, Capacitive Type
	Hardness Scale	7H
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 Con.B: COM1 RS-232 4W, COM3 RS-232 2W*
	RS-485 Dual Isolation	N/A
	CAN Bus	Yes
	Audio Output	Built-in Mono Speaker
RTC		Built-in
Power	Input Power	24±20%VDC
	Power Isolation	Built-in
	Power Consumption	700mA@24VDC
	Voltage Resistance	500VAC (1 min.)
	Isolation Resistance	Exceed 50MΩ at 500VDC
Specification	PCB Coating	Yes
	Enclosure	Plastic
	Dimensions WxHxD	266 x 196 x 42.7 mm
	Panel Cutout	255 x 185 mm
	Weight	Approx. 1.1 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° ~ 55°C (32° ~ 131°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
	ATEX	ATEX Zone 2/22 Category 3 G/D
	UL	cULus Listed
Software	EasyBuilder Pro	V6.08.01 or later versions
	Weincloud	EasyAccess 2.0 (Optional), Dashboard (Optional)
	CODESYS®	Optional

* Only Tx & Rx (no RTS/CTS) may be used for COM1 RS-232 when COM3 RS-232 is also used.
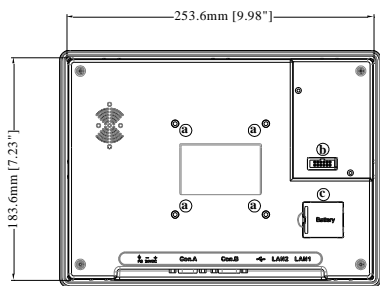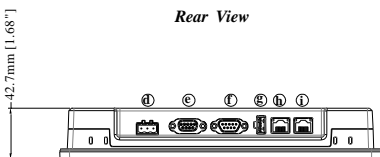* CODESYS® is a trademark of CODESYS GmbH.
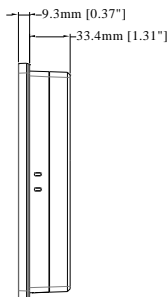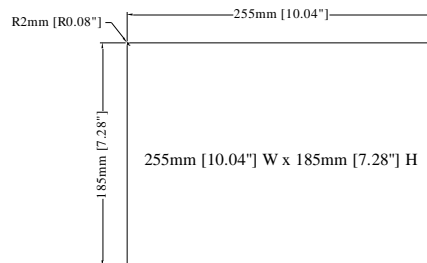
Dimensions

Top View

266mm [10.47"]

196mm [7.71"]

Front View

9.3mm [0.37"]
33.4mm [1.31"]

Side View

R2mm [R0.08"]

255mm [10.04"]

185mm [7.28"]

255mm [10.04"] W x 185mm [7.28"] H

Cutout Dimensions

253.6mm [9.98"]

183.6mm [7.23"]

Con.A Con.B LAN2 LAN1

Rear View

42.7mm [1.68"]

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

Ordering Information

❑ **cMT3108XP:**

10.1" 1280 x 800 WVA LCD HMI, Built-in 4GB flash memory / 1GB DDR RAM on board

❑ **RZUSK7010 (included in package)**

USB Clamp & Tying Strap

Optional:

❑ **M02:** WiFi Expansion Module

❑ **RZACEA020:** EasyAccess 2.0 Activation Card

❑ **RZ0CDS000:** 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]/ CAN Bus, 9 Pin, Female, D-sub

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