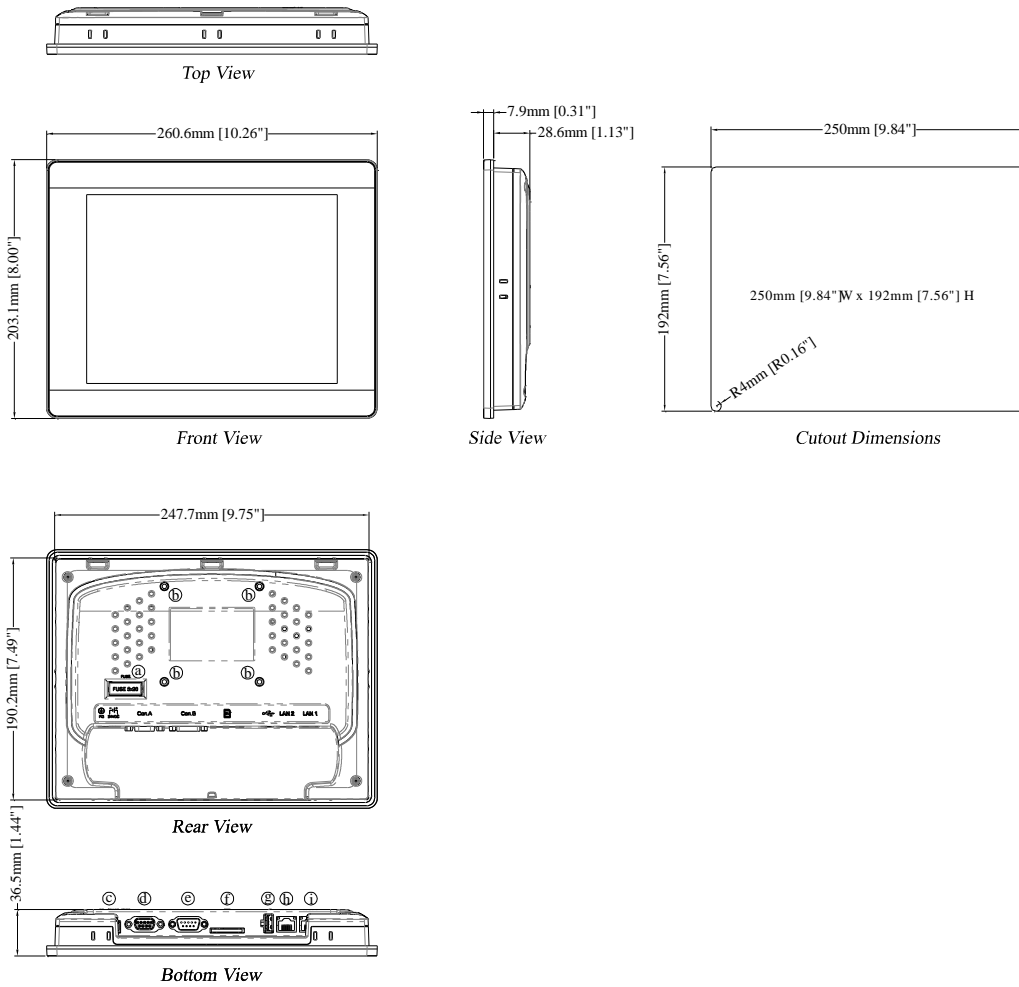# WEINTEK

cMT3090

HMI with 9.7" XGA TFT Display

Feature

- 9.7" 1024 x 768 TFT LCD
- Fan-less Cooling System
- Built- in 4GB Flash Memory and RTC
- SD Card Slot Supports SD/SDHC Cards
- COM2 / COM3 RS-485 2W Supports MPI 187.5K
- CAN Bus Supports CANopen Protocol
- NEMA4/IP65 Compliant Front Panel
- Built-in EasyAccess 2.0 License

Category	Item	Specification
Display	Display	9.7" TFT
	Resolution	1024 x 768
	Brightness (cd/m^2)	350
	Contrast Ratio	500:1
	Backlight Type	LED
	Backlight Life Time	>30,000 hrs.
	Colors	262K
	LCD Viewing Angle (T/B/L/R)	60/70/70/70
Touch Panel	Type	4-wire Resistive Type
	Accuracy	Active Area Length(X)±2%, Width(Y)±2%
Memory	Flash	4 GB
	RAM	1 GB
Processor		32 bits RISC Cortex-A9 1GHz
I/O Port	SD Card Slot	SD/SDHC
	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
	COM Port	Con.A: COM2 RS-485 2W/4W, COM3 RS-485, CAN Bus Con.B: COM1/COM3 RS-232*
	RS-485 Isolation	N/A
	CAN Bus	Yes
	HDMI	N/A
	Audio Output	Built-in Mono Speaker
	Video Input	N/A
RTC		Built-in
Power	Input Power	24±20%VDC
	Power Isolation	Built-in
	Power Consumption	900mA@24VDC
	Voltage Resistance	500VAC (1 min.)
	Isolation Resistance	Exceed 50MΩ @ 500VDC
	Vibration Endurance	10 to 25Hz (X, Y, Z direction 2G 30 minutes)
Specification	PCB Coating	Yes
	Enclosure	Plastic
	Dimensions WxHxD	260.6 x 203.1 x 36.5 mm
	Panel Cutout	250 x 192 mm
	Weight	Approx. 0.92 kg
	Mount	Panel mount, VESA mount 75 x 75 mm
Environment	Protection Structure	UL Type 4X (indoor use only) / NEMA4 / IP65 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)
Certificate	CE	CE marked
	UL	cULus Listed
Software		EasyBuilder Pro

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

![WEINTEK]

Dimensions

Top View

Front View

260.6mm [10.26"]
203.1mm [8.00"]

Side View

7.9mm [0.31"]
28.6mm [1.13"]

Cutout Dimensions

250mm [9.84"]
192mm [7.56"]
250mm [9.84"] W x 192mm [7.56"] H
R4mm [R0.16"]

Rear View

247.7mm [9.75"]
190.2mm [7.49"]
36.5mm [1.44"]

Bottom View

a	Fuse	**f**	SD Card Slot
b	VESA 75 mm Screw Holes	**g**	USB Host
c	Power Connector	**h**	LAN 2
d	COM2 RS-485, COM3 RS-485, CAN Bus (Con.A)	**i**	LAN 1
e	COM1,COM3 RS-232 (Con.B)		

Pin Assignment:

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

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

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+	