cMT3218XP

HMI with 21.5" WVA Display

Feature

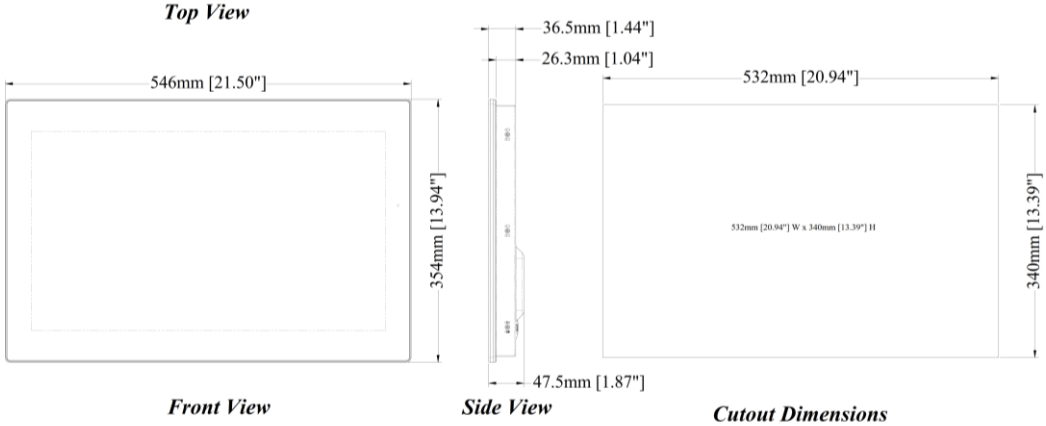
- 21.5" 1920 x 1080 Wide Viewing Angle LCD
- Built- in 4GB Flash Memory and RTC
- COM2 and COM3 RS-485 2W support MPI 187.5K, please use one at a time.
- CAN Bus Supports CANopen, CAN Bus 2.0A/2.0B and SAE J1939
- Fan-less Cooling System
- PCB coating process ensures high reliability to resist from corrosion in harsh environment.
- Built-in Power Isolation
- NEMA4 / IP66 Compliant Front Panel

Display	Display	21.5” Wide Viewing Angle (WVA)
	Resolution	1920 x 1080
	Brightness (cd/m^2)	500
	Contrast Ratio	1000:1
	Backlight Type	LED
	Backlight Life Time	>30,000 hrs.
	Colors	16.7M
	LCD Viewing Angle (T/B/L/R)	89/89/89/89
	Pixel Pitch (mm)	0.24795 (H) x 0.24795 (V)
Touch Panel	Type	Tempered Glass, Capacitive Type
	Hardness Scale	≧6H
Memory	Flash	4 GB
	RAM	2 GB
Processor		Quad-core RISC
I/O Port	SD Card Slot	N/A
	USB Host	USB 2.0 x 2
	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 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	1.8A@24VDC
	Voltage Resistance	500VAC (1 min.)
	Isolation Resistance	Exceed 50MΩ at 500VDC
Specification	PCB Coating	Yes
	Enclosure	Aluminum
	Dimensions WxHxD	546 x 354 x 47.5 mm
	Panel Cutout	532 x 340 mm
	Weight	Approx. 5.5 kg
	Mount	Panel mount, VESA mount 100 x 100 mm
Environment	Protection Structure	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)
	Vibration Endurance	10 to 25Hz (X, Y, Z direction 2G 30 minutes)
Certificate	CE	CE marked
Software	EasyBuilder Pro	V6.10.01 or later versions
	Weincloud	EasyAccess 2.0 (Optional), Dashboard (Optional)
	CODESYS®	Optional

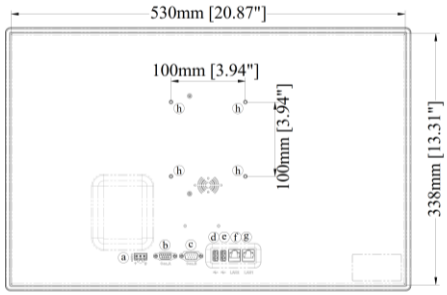
* Only Tx & Rx (no RTS/CTS) may be used for COM1 RS-232 when COM3 RS-232 is also used.
* CODESYS® is a trademark of CODESYS GmbH.

Dimensions

Top View



Front View *Side View* *Cutout Dimensions*



Rear View

Bottom View

a	Power Connector	***e***	USB Host Port
b	Con.A: COM2 RS-485 2W/4W, COM3 RS-485 2W, CAN Bus	***f***	LAN 2
c	Con.B: COM1 RS-232 4W, COM3 RS-232 2W	***g***	LAN 1
d	USB Host Port	***h***	VESA 100 mm Screw Holes

Ordering Information

❑ **cMT3218XP:**
21.5" 1920 x 1080 WVA LCD HMI, Built-in 4GB flash memory / 2GB DDR RAM on board

Optional:
- ❑ **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+	