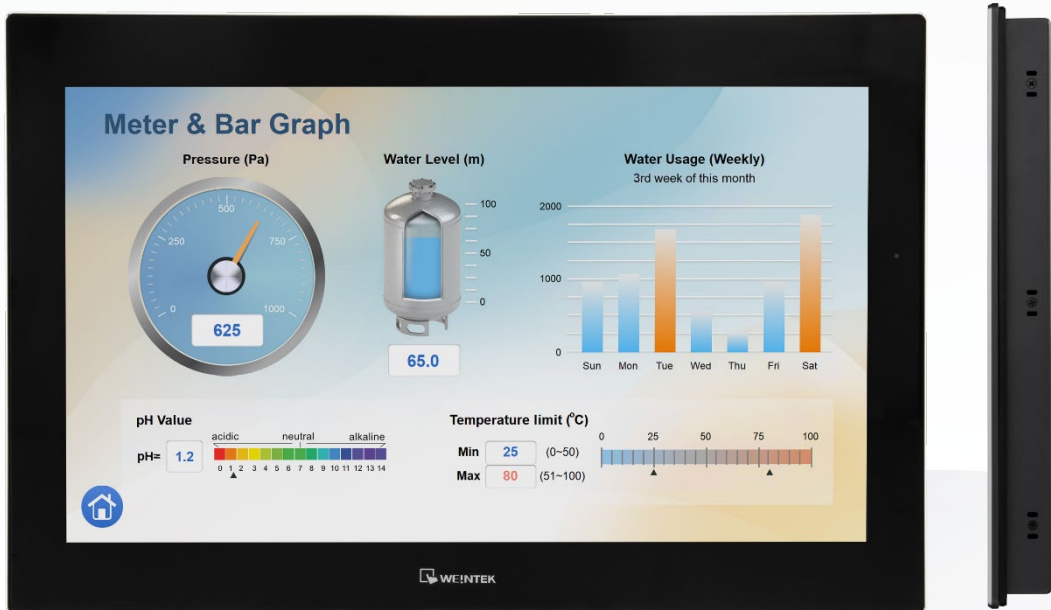


cMT3218XP

21.5" WVA Advanced HMI



IP66

NEMA4

Key Features

- ▶ 21.5" 1920 × 1080 LCD
- ▶ Tempered glass capacitive touch panel
- ▶ COM port × 3, Ethernet port × 2, USB host port × 2
- ▶ Built-in 4 GB FLASH and 2 GB RAM
- ▶ Fan-less cooling system

Technical Specifications

Display

Display	21.5" Wide Viewing Angle (WVA)
Resolution	1920 × 1080
Brightness (cd/m ²)	500
Contrast Ratio	1000:1
Backlight Life Time	> 30,000 hrs.
Colors	16.7 M
LCD Viewing Angle (T/B/L/R)	89/89/89/89
Pixel Pitch (mm)	0.24795 (H) × 0.24795 (V)

Touch Panel

Type	Tempered Glass, Capacitive Type
Hardness Scale	≥6H

Memory

FLASH	4 GB
RAM	2 GB

Processor

CPU	Quad-core RISC
-----	----------------

I/O Port

Memory Card Type	N/A
USB Host	USB 2.0 × 2
Ethernet	LAN 1: 10/100/1000 Base-T × 1 LAN 2: 10/100 Base-T × 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*
WiFi	N/A
RS-485 Dual Isolation	N/A
CAN Bus	Yes
Audio Output	Built-in Mono Speaker

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

Power

Input Power	24 ± 20 % VDC
Power Isolation	Built-in
Power Consumption	1.8 A @ 24 VDC
Voltage Resistance	500 VAC (1 min.)
Isolation Resistance	Exceed 50 MΩ at 500 VDC

Mechanical

Enclosure	Aluminum
Dimensions W×H×D	546 × 354 × 47.5 mm
Panel Cutout	532 × 340 mm

Weight	Approx. 5.5 kg
Mount	Panel Mount, VESA Mount 100 × 100 mm

Environment

PCB Coating	Yes
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
Vibration Endurance	10 to 25 Hz (X, Y, Z direction 2G 30 minutes)

Product Carbon Footprint (kg CO₂e)

Manufacturing Stage (A1-A3)	139
-----------------------------	-----

Certificate

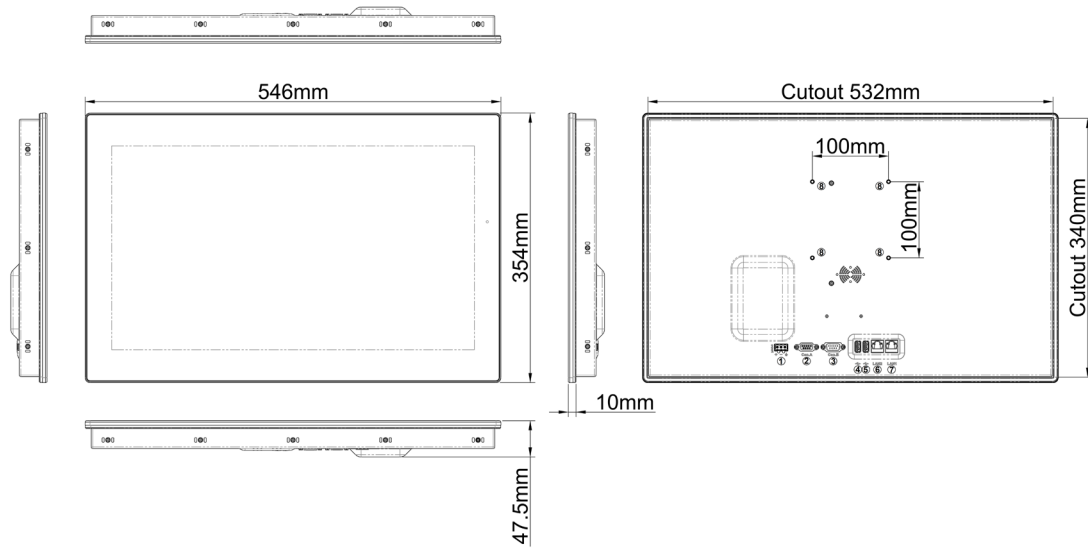
CE	CE Marked
UL	cULus Listed

Software

EasyBuilder Pro	V6.10.01 or later versions
Weincloud	EasyAccess 2.0 (Optional), Dashboard (Optional)
CODESYS®	Optional

* CODESYS® is a trademark of CODESYS GmbH.

Dimensions



1	Power Connector
2	Con.A: COM2 RS-485 2W/4W, COM3 RS-485 2W, CAN Bus
3	Con.B: COM1 RS-232 4W, COM3 RS-232 2W
4	USB Host

5	USB Host
6	LAN 2
7	LAN 1
8	VESA 100 mm Screw Holes

Pin Assignment

Con.B: 9 Pin, D-sub, Male

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: 9 Pin, D-sub, Female

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+	

Part Number

☐ **【cMT3218XP】**

21.5" 1920 × 1080 WVA LCD HMI, Built-in 4 GB FLASH / 2 GB RAM

Optional:

☐ **RZACEA020:** EasyAccess 2.0 Activation Card

☐ **RZ0CDS000:** CODESYS License