WEINTEK

cMT3162X

15.6″ WVA Advanced HMI

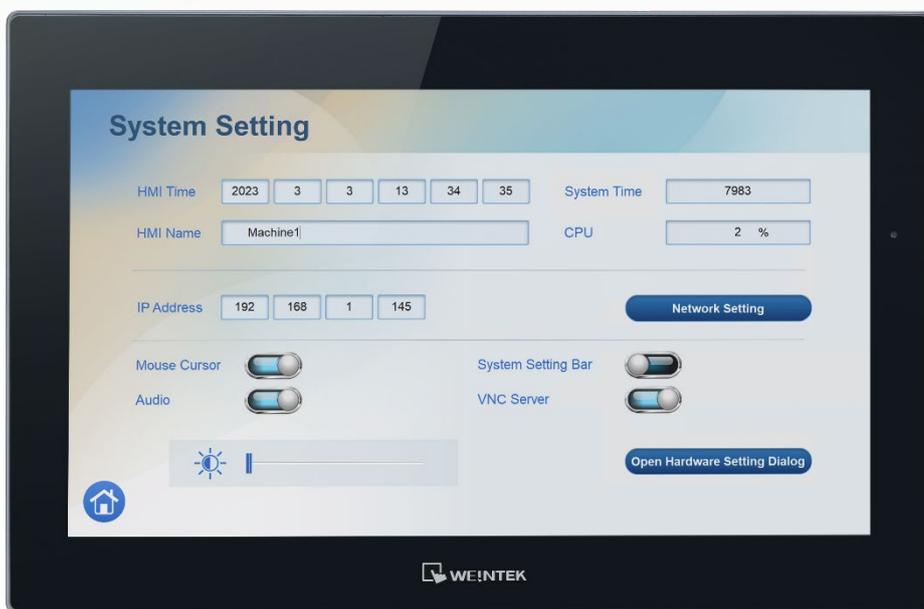CE   UL LISTED   IP66   *NEMA4*

Key Features

- The oTP integrated touch solution offers an edge-to-edge design, high-resolution and high-transmittance
- Supports vibration alerting
- 15.6" 1920 × 1080 LCD
- COM port × 2, Ethernet port × 2, USB host port × 1
- Tempered glass capacitive touch panel
- Built-in 4 GB FLASH and 1 GB RAM
- Fan-less cooling system

Technical Specifications

Display

Display	15.6" Wide Viewing Angle (WVA)
Resolution	1920 × 1080
Brightness (cd/m^2)	300
Contrast Ratio	800:1
Backlight Life Time	> 30,000 hrs.
Colors	16.2 M
LCD Viewing Angle (T/B/L/R)	89/89/89/89
Pixel Pitch (mm)	0.17925 (H) × 0.17925 (V)

Touch Panel

Type	Tempered Glass, Capacitive Type
Hardness Scale	7H

Memory

FLASH	4 GB
RAM	1 GB

Processor

CPU	Quad-core RISC

I/O Port

Memory Card Type	N/A
USB Host	USB 2.0 × 1
Ethernet	LAN 1: 10/100/1000 Base-T × 1
	LAN 2: 10/100 Base-T × 1
COM Port	Con.A: COM1 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	1.3 A @ 24 VDC
Voltage Resistance	500 VAC (1 min.)
Isolation Resistance	Exceed 50 MΩ at 500 VDC

Mechanical

Enclosure	Front Bezel: Plastic, Rear Enclosure: Aluminum
Dimensions W×H×D	400 × 263 × 27.6 mm
Panel Cutout	384 × 247 mm

Weight	Approx. 1.6 kg
Mount	Panel Mount, VESA Mount 100 × 100 mm

Environment

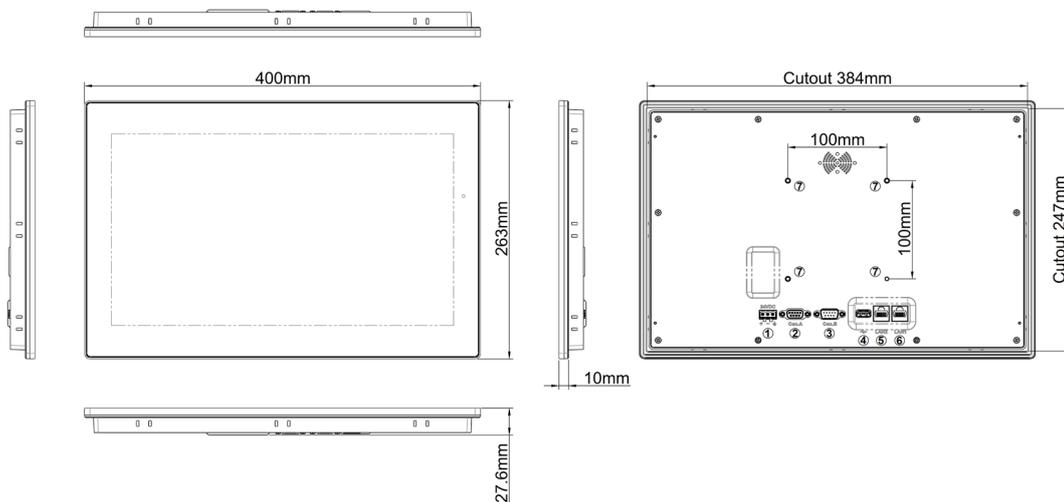| PCB Coating	Yes
Protection Structure	NEMA4 / IP66 Compliant Front Panel
Storage Temperature	-20° ~ 60°C (-4° ~ 140°F)
Operating Temperature	0° ~ 50°C (32° ~ 122°F)
Relative Humidity	10 % ~ 90 % (non-condensing)
Altitude	3,000 m
Vibration Endurance	10 to 25 Hz (X, Y, Z direction 2G 30 minutes)

Certificate

CE	CE Marked
UL	cULus Listed

Software

EasyBuilder Pro	V6.04.01 or later versions*
Weincloud	EasyAccess 2.0 (Optional), Dashboard (Optional)
CODESYS®	Optional

* For units labeled as cMT3162X (V2), please select cMT3162X (V2) as the HMI model in EasyBuilder Pro (minimum software requirement: V6.07.02)
* CODESYS® is a trademark of CODESYS GmbH.

Dimensions

1	Power Connector	5	LAN 2
2	Con.A: COM1 RS-485 2W/4W, COM3 RS-485 2W, CAN Bus	6	LAN 1
3	Con.B: COM1 RS-232 4W, COM3 RS-232 2W	7	VESA 100 mm Screw Holes
4	USB Host		

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#	COM1 [RS485]2W	COM1 [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

☐ 【cMT3162X】

15.6" 1920 × 1080 WVA LCD HMI, Built-in 4 GB FLASH / 1 GB RAM

Optional:

☐ **RZACEA020:** EasyAccess 2.0 Activation Card

☐ **RZ0CDS000:** CODESYS License

WEINTEK
www.weintek.com
cMT3162X-Datasheet-eng-2603