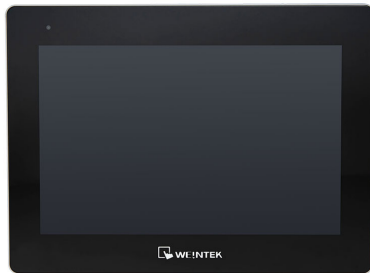


Advanced HMI, 10.1", 1280 x 800 TFT LCD, cMT3108XP



- 10.1" 1280 x 800 TFT LCD, LED backlighting
- Fanless cooling system
- Integrated 4 GB flash memory and RTC
- RS232 and RS485 2- and 4-wire
- Galvanic isolation of supply and system voltage
- Wide input voltage range: 24±20% VDC
- IP66 front panel, NEMA4 compliant
- ATEX Zone 2/22 Category 3 G/D
- EasyAccess 2.0 license optional
- CODESYS optional

<https://www.wachendorff-prozesstechnik.de/cMT3108XP>

Description

The cMT3108XP is a powerful HMI that offers impressive visuals with a 10.1-inch display, a resolution of 1280 x 800 pixels and a wide viewing angle. It has an integrated 4 GB flash memory and a real-time clock (RTC). The fanless cooling system ensures efficient heat dissipation and the special PCB coating process ensures reliability and corrosion resistance even under extreme conditions. The NEMA4/IP66-compliant front panel protects against environmental influences. With its compatibility with the M02 WiFi expansion module, the cMT3108XP offers wireless communication, opening up new possibilities for remote monitoring and control. Overall, the cMT3108XP is an HMI with impressive performance, versatility and robustness, making it ideal for industrial automation and demanding applications.

Product details

Display:	Size: 10.1" TFT LCD Resolution: 1280 x 800 pixels Brightness: 425 cd/m² Contrast: 800 : 1 Backlight: LED Backlight life: >50,000 hours Colors: 16.7 million LCD viewing angle (up/down/left/right): 89/89/89/89
Touch display:	Capacitive touch
Memory:	Flash: 4 GB RAM: 1 GB
Processor:	Quad-core RISC

Interfaces:	SD card slot: No USB host: 1x USB 2.0 USB Client: No Ethernet: LAN1: 10/100/1000 Base-T x1 LAN2: 10/100 Base-T x1 Wifi: via expansion module M02 (optional) COM port: Connection A: COM2 RS485 2-/4-wire, COM3 RS485 2-wire, CAN bus Connection B: COM1 RS232 4-wire, COM3 RS232 2-wire (only use TX & RX (not RTS/CTS) for COM1 RS232 if COM3 RS232 is used at the same time) RS485 isolation: No MPI: 187.5k CAN Bus: Yes HDMI: No Audio Output: Built-in Mono Speaker Video Input: No
Real-time clock:	Integrated real-time clock RTC
Power supply:	Input voltage: 24±20% VDC Galvanic isolation (input voltage from system voltage): integrated Current consumption: 700 mA at 24 VDC Dielectric strength: 500 VAC (1 min.) Insulation resistance: >50 MOhm at 500 VDC
Printed circuit board coating:	Yes, PCB
Housing:	Plastic housing
Dimensions (WxHxD):	266 mm x 196 mm x 42.7 mm Panel cut-out: 255 mm x 185 mm
Weight:	approx. 1.1 kg
Fastening:	Panel mounting, VESA 75 x 75
Protection class:	NEMA4 / front IP66
Ambient temperature:	Operation: 0 °C to +55 °C. Storage: -20 °C to +60 °C. Relative humidity: 10 % to 90 % (non-condensing)
Certificates:	CE cULus NEMA4 ATEX Zone 2/22 Category 3 G/D

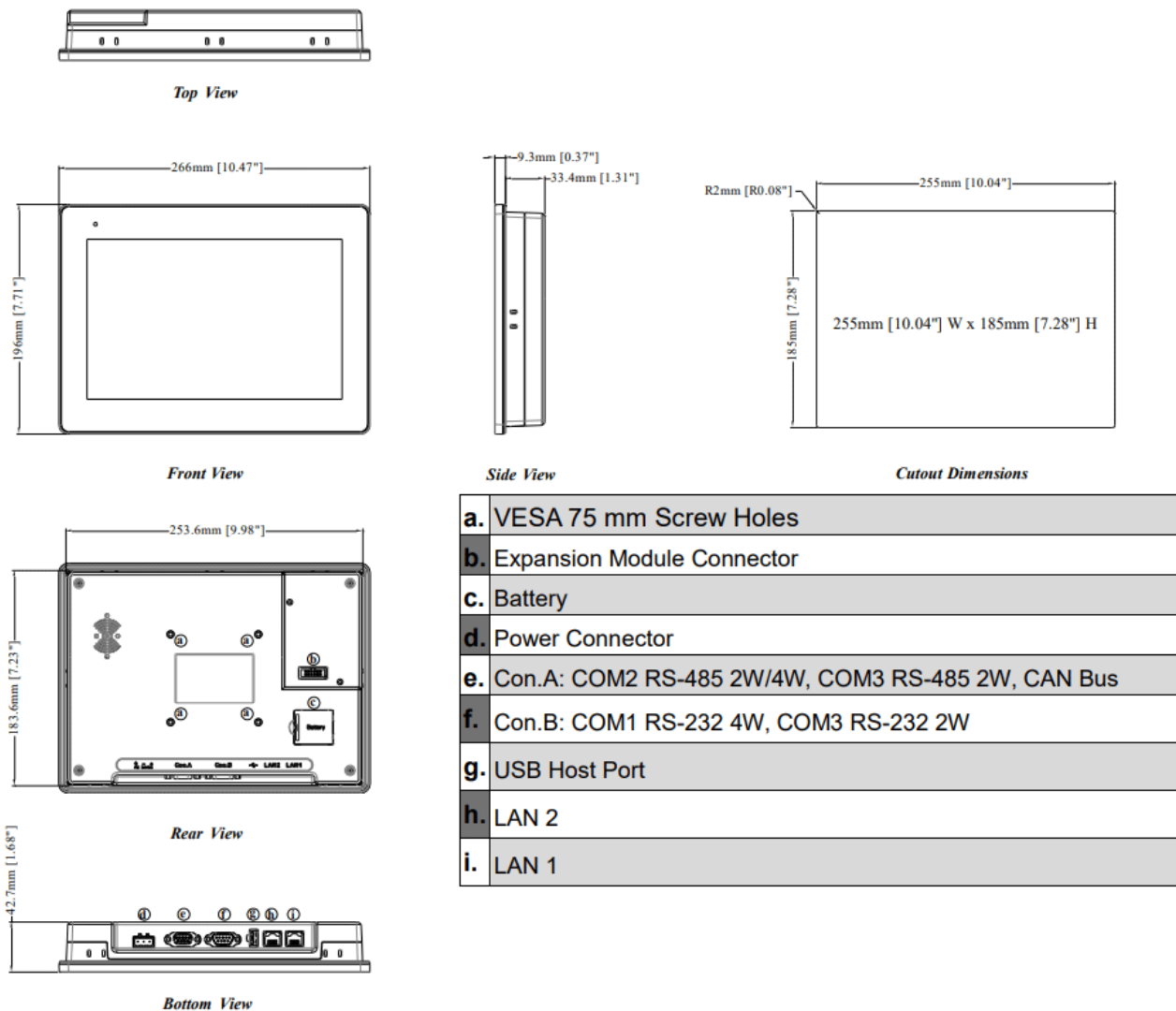
Software:	EasyBuilder Pro V6.08.01 or later EasyAccess 2.0 license optional CODESYS (optional)
Customs tariff number:	85371098
Manufacturer:	Weintek Labs, Inc

Products Order no.	
cMT3108XP	Advanced HMI, 10.1", 1280 x 800
cMT3108XP-CD	Advanced HMI, 10.1", 1280 x 800, incl. Codesys

Accessories Order no.	
DRS4-24A	Power supply unit for top-hat rail, 85 to 264 VAC, 24 VDC 4.2 A, screw terminal
KABETH12	Patch cable, RJ45 UTP CCA, CAT5e white, 2 m

Drawings

Dimensions and connections



Drawings

Pin assignment

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+	



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