

## Standard HMI, 10.1", 1024 x 600 TFT LCD, cMT2108X2



- 10.1" 1024 x 600 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
- EasyAccess 2.0 license optional
- CODESYS optional

<https://www.wachendorff-prozesstechnik.de/en/cMT2108X2>

### Description

The standard HMI cMT2108X2 from Weintek with its quad-core 32-bit RISC 1.6 GHz processor enables very high performance in the visualization of data. The cMT2108X2 not only works like an ordinary HMI, but is also a cMT (HMI) server, which provides up to 9 additional operating instances. This makes it possible to monitor and control the visualization of the cMT2108X2 via the cMT Viewer APP on a panel PC, mobile devices or a display.

The IIoT standard protocol MQTT enables you to communicate between your machines / systems up to the higher-level control / management systems. This ensures simultaneous monitoring and control of your transmission data, whether locally or on a cloud platform such as AWS, Azure or GoogleIoT. The optional license for the EasyAccess2.0 remote access service allows you to visualize the HMI on end devices such as PCs, smartphones and tablets from an external location. With EasyAccess2.0, you can access devices in the network via the cMT2108X2 using the "Path Through" method.

### Product details

Display:	Size: 10.1" TFT LCD Resolution: 1024 x 600 pixels Brightness: 350 cd/m <sup>2</sup> Contrast: 500 : 1 Backlight: LED Backlight life: >50,000 hours Colors: 16.7 million LCD viewing angle (up/down/left/right): 70/70/80/80
Touch display:	Type: 4-wire analog resistive. Accuracy: Active range length (X) ±2 %, width (Y) ±2 %
Memory:	Flash: 4 GB RAM: 1 GB
Processor:	Quad-core 32-bit RISC 1.6 GHz

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 COM Port: Connection A: COM2 RS485 2-/4-wire, COM3 RS485 2-wire 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) MPI is supported RS485 isolation: no CAN bus: No HDMI: No Audio Output: No 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: 1.0 A at 24 VDC Dielectric strength: 500 VAC (1 min.) Insulation resistance: >50 MOhm at 500 VDC Shock resistance: 10 Hz to 25 Hz (X,Y, Z direction 2 G 30 minutes)
Printed circuit board coating:	Yes, PCB
Housing:	Plastic housing
Dimensions (WxHxD):	271 mm x 213 mm x 38 mm Panel cut-out: 260 mm x 202 mm
Weight:	approx. 1.2 kg
Fastening:	Panel mounting Vesa mount 75 x 75
Protection class:	NEMA4 / front IP66
Ambient temperature:	Operation: 0 °C to +50 °C. Storage: -20 °C to +60 °C. Relative humidity: 10 % to 90 % (non-condensing)
Certificates:	CE cULus

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Software: EasyBuilder Pro  
EasyAccess 2.0 license optional  
CODESYS (optional)

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Customs tariff number: 85371098

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Manufacturer: Weintek Labs, Inc

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**Products Order no.**

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CMT2108X2 Standard HMI, 10.1", 1024 x 600 TFT  
LCD

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**Accessories Order no.**

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DRS4-24A Power supply unit for DIN rail, 85 to  
264 VAC, 24 VDC 4.2 A, screw  
terminal

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KABETH12 Patch cable, RJ45 UTP CCA, CAT5e  
white, 2 m

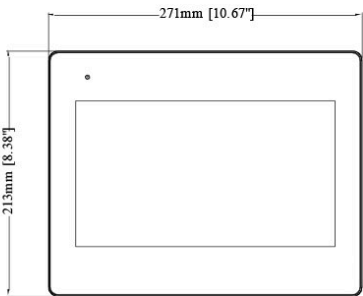
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**Drawings**

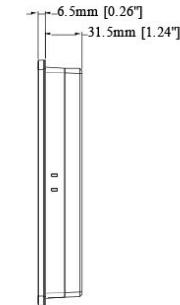
**Dimensions and connections**



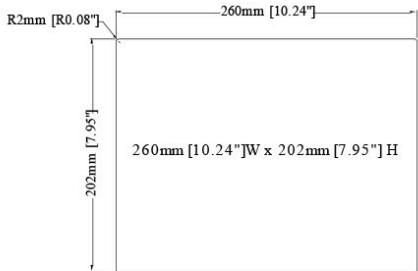
*Draufsicht*



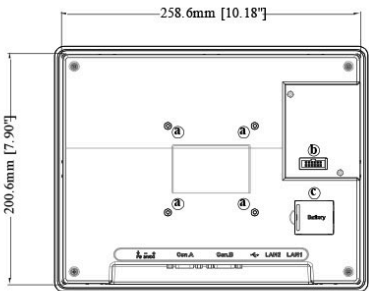
*Frontansicht*



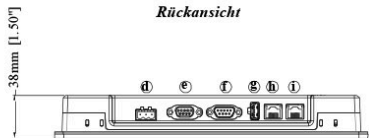
*Seitenansicht*



*Schalttafelanschnitt*



*Rückansicht*



*Ansicht von unten*

<b>a.</b>	VESA 75 mm Gewindelöcher
<b>b.</b>	Stecker Erweiterungsmodul
<b>c.</b>	Batterie
<b>d.</b>	Stecker Spannungsversorgung
<b>e.</b>	Con.A: COM2 RS-485 2W/4W, COM3 RS-485 2W
<b>f.</b>	Con.B: COM1 RS-232 4W, COM3 RS-232 2W
<b>g.</b>	USB Host Port
<b>h.</b>	LAN 2
<b>i.</b>	LAN 1

**Drawings**

**PIN assignment**

**Pin Belegung:**

**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], 9 Pin, Female, D-sub**

PIN#	COM2 [RS485]		COM3 [RS485] 2W
	2W	4W	
1	Data-	Rx-	
2	Data+	Rx+	
3		Tx-	
4		Tx+	
5	GND		
6			Data-
7			
8			
9			Data+



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