Advanced HMI, 7", 800 x 480 TFT LCD, cMT3072X

- 7" 800 x 480 TFT LCD, LED backlighting
- Fanless cooling system
- Integrated 4 GB flash memory and RTC
- RS232 and RS485 2- and 4-wire
- CAN bus supports CANopen, CAN bus 2.0A/2.0B and SAE J1939
- Galvanic isolation of supply and system voltage
- Wide input voltage range: 24±20% VDC
- OPC UA (client/server)
- IP66 on the front, NEMA4 compliant
- EasyAccess 2.0 license optional
- CODESYS optional

https://www.wachendorff-prozesstechnik.de/en/cMT3072X

Description

The Advanced HMI cMT3072X from Weintek with its quad-core 64-bit RISC 1.5 GHz processor enables very high performance in the visualization of data. The cMT3072X 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 additionally monitor and control the visualization of the cMT3072X via the cMT Viewer APP on a panel PC (cMTiPC10/15), mobile devices or a display (cMTiV6).

The IIoT standard protocols OPC UA and MQTT enable you to communicate between your machines / systems and 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 cMT3072X using the "Path Through" method.

Product details
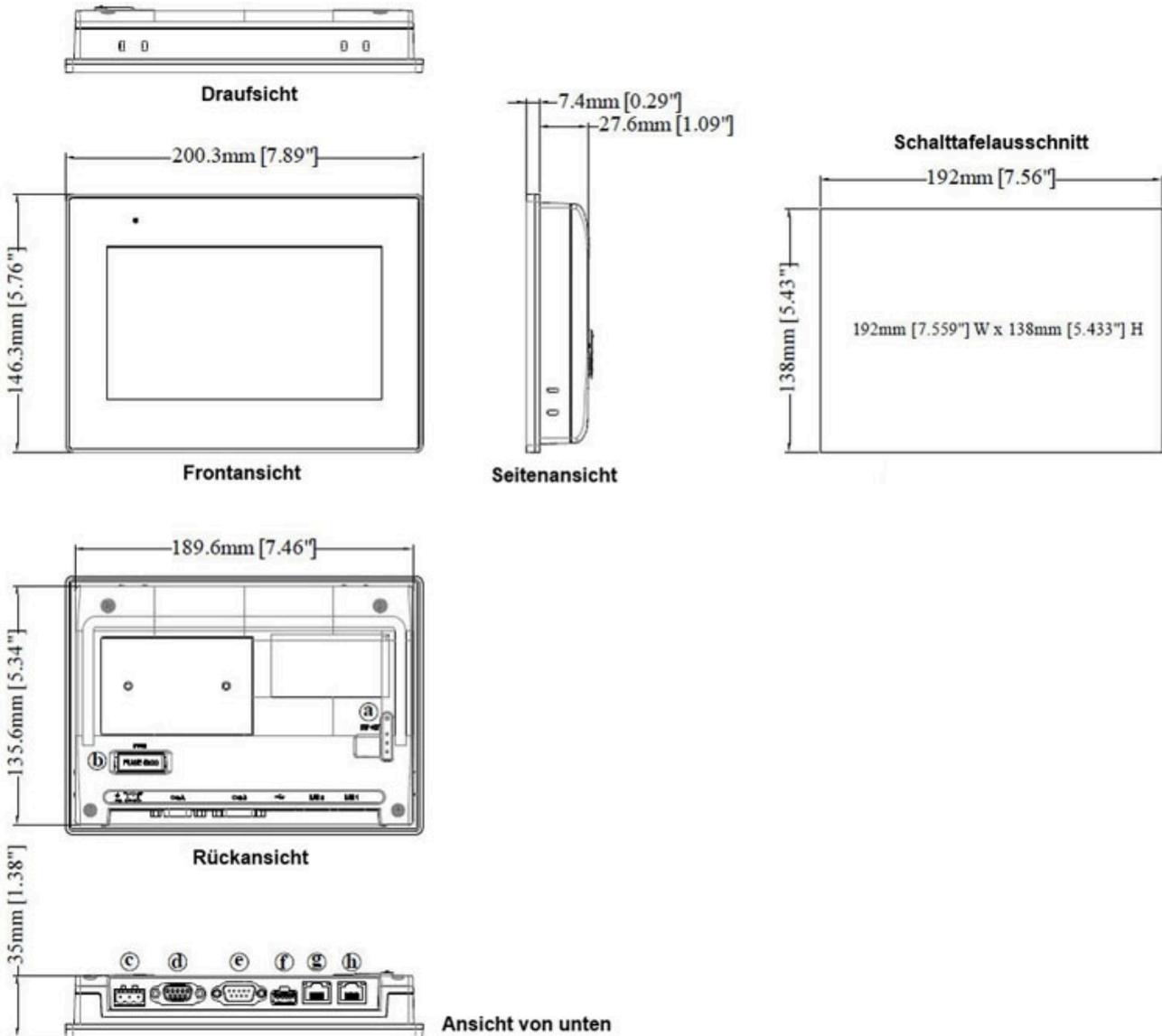
Display:	Size: 7" TFT LCD Resolution: 800 x 480 pixels Brightness: 400 cd/m² Contrast: 800 : 1 Backlight: LED Backlight life: >30,000 hours Colors: 16.7 million LCD viewing angle (up/down/left/right): 60/80/80/80
Touch display:	Type: 4-wire analog resistive. Accuracy: Active range length (X) ±2 %, width (Y) ±2 %
Memory:	Flash: 4 GB RAM: 1 GB
Processor:	Quad-core 64-bit RISC 1.5 GHz

Interfaces:	SD card slot: No USB host: 1x USB 2.0 USB Client: No Ethernet: LAN1: 10/100 Base-T x1 LAN2: 10/100 Base-T x1 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) MPI is supported RS485 isolation: No CAN Bus: Yes 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: 850 mA 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):	200.3 mm x 146.3 mm x 35.0 mm Panel cut-out: 192 mm x 138 mm
Weight:	approx. 0.6 kg
Fastening:	Panel mounting
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 Listed

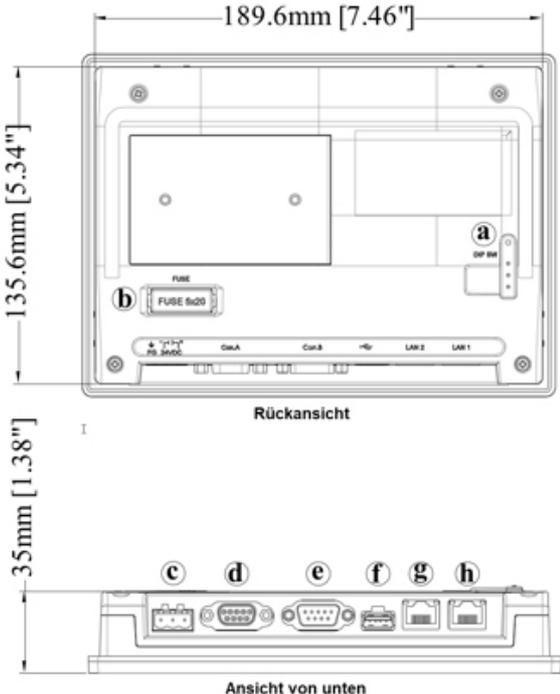|	
Software:	EasyBuilder Pro V6.04.02 or later
	EasyAccess 2.0 license optional
Customs tariff number:	85371098
Manufacturer:	Weintek Labs, Inc

Drawings

Dimensions

Draufsicht

200.3mm [7.89"]

146.3mm [5.76"]

Frontansicht

7.4mm [0.29"]
27.6mm [1.09"]

Seitenansicht

Schalttafelausschnitt

192mm [7.56"]

138mm [5.43"]

192mm [7.559"] W x 138mm [5.433"] H

189.6mm [7.46"]

135.6mm [5.34"]

Rückansicht

35mm [1.38"]

Ansicht von unten

Rückansicht

Ansicht von unten

a		e	Con.B:
	DIP SW		COM1 RS-232 4W, COM3 RS-232 2W
b	Fuse	f	USB Host Port
c	Power Connector	g	LAN 2
d	Con.A: COM2 RS-485 2W/4W, COM3 RS-485 2W, CAN Bus	h	LAN 1

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+	

Step file as .rar

cMT3072X.rar