

## All-in-One HMI, 7" IPS LCD WBGcMT3072



- 7" 1024 x 600 IPS LCD, LED backlighting
- Fanless cooling system
- Integrated 4 GB flash memory and RTC
- COM2 / COM3 RS485 2-wire supports MPI 187.5 K
- CAN bus supports CANopen, CAN bus 2.0A/2.0B and SAE J1939
- Galvanic isolation of supply and system voltage
- Wide input voltage range: 10.5 VDC to 28 VDC
- OPC UA (client/server)
- IP65 on the front, NEMA4 compliant
- EasyAccess 2.0 license included
- CODESYS V3 PLC optional

<https://www.wachendorff-prozesstechnik.de/en/WBGcMT3072>

### Description

The all-in-one HMI WBGcMT3072 from Weintek with its 32-bit Cortex A9 1 GHz processor enables high performance in the visualization of data. The WBGcMT3072 not only works like an ordinary HMI, but is also a cMT server. This makes it possible to use the cMT Viewer APP on a panel PC (WBGcMTiPC10/15), mobile devices or a display (WBGcMTiV5) to additionally monitor and control the visualization of the WBGcMT3072.

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. The integrated license for the EasyAccess2.0 remote access service enables you to visualize the HMI on end devices such as PCs, smartphones and tablets from an external location. EasyAccess2.0 allows you to access devices on the network via the WBGcMT3072 using the "Path Through" method (1 device simultaneously). Optionally, this HMI can be equipped with a CODESYS V3 PLC.

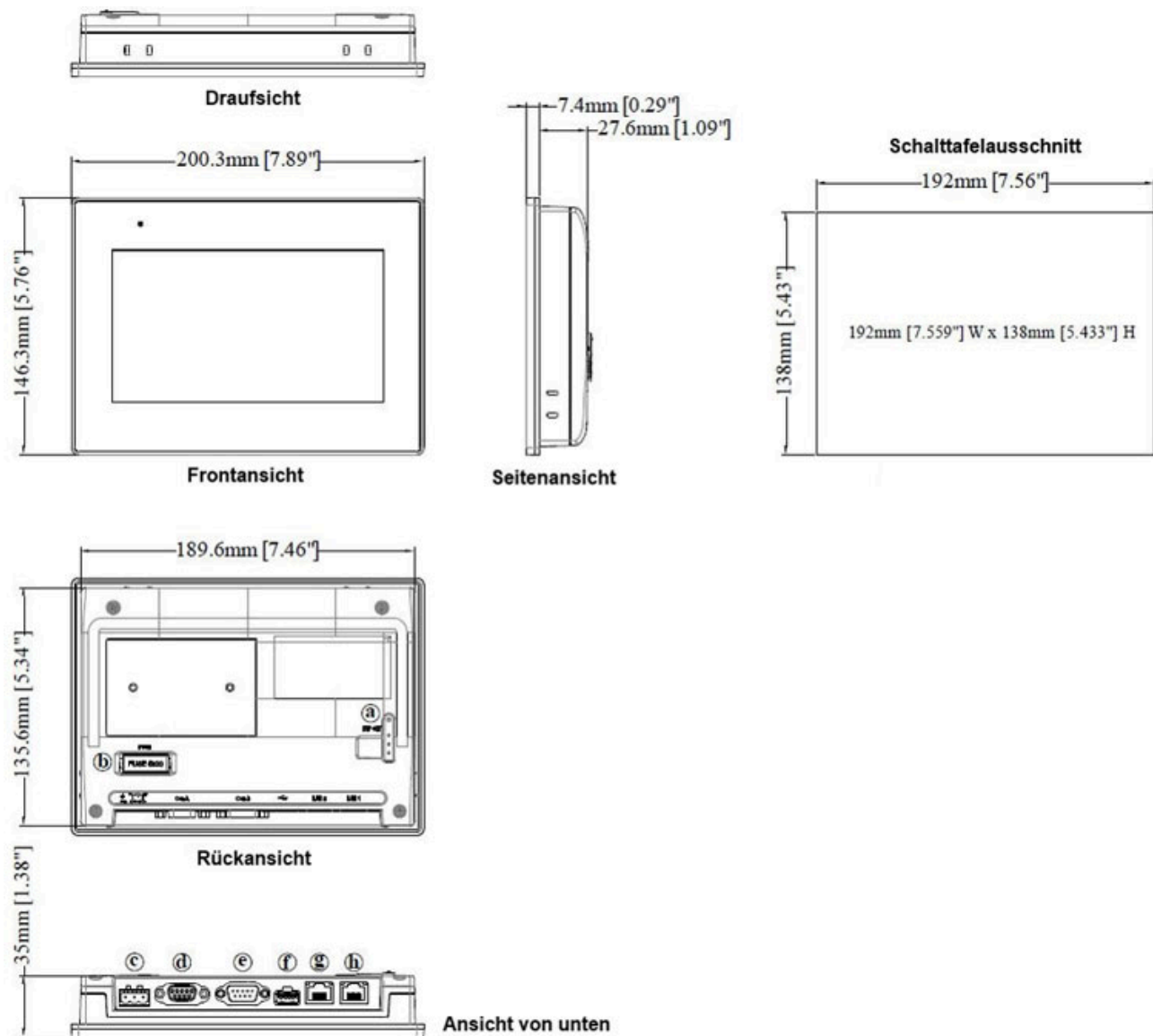
### Product details

Display:	Size: 7" IPS LCD Resolution: 1024 x 600 pixels Brightness: 450 cd/m <sup>2</sup> Contrast: 800 : 1 Backlight: LED Backlight life: >25,000 hours Colors: 16.2 million LCD viewing angle (up/down/left/right): 85/85/85/85
Touch display:	Type: 4-wire analog resistive. Accuracy: Active range length (X) ±2 %, width (Y) ±2 %
Memory:	Flash: 4 GB RAM: 1 GB
Processor:	32 bit RISC Cortex-A9 1 GHz

Interfaces:	USB Host: 1x USB 2.0 Ethernet: LAN1: 10/100/1000 Base-T x2 LAN2: 10/100 Base-T x2 COM Port: Connection A: COM2 RS485 2-/4-wire, COM3 RS485, CAN bus Connection B: COM1/COM3 RS232 (only use Tx & RX (not RTS/CTS) for COM1 RS232 if COM3 RS232 is used at the same time) 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: 10.5 VDC to 28 VDC Galvanic isolation (input voltage from system voltage): integrated Current consumption: 2 A at 12 VDC; 1 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):	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:	UL Type 4X (for indoor use only) / NEMA4 / front IP65
Ambient temperature:	Operation: 0 °C to +50 °C. Storage: -20 °C to +60 °C. Relative humidity: 10 % to 90 % (non-condensing)
Certificates:	CE
Software:	EasyBuilder Pro V6.00.01 or later
Manufacturer:	Weintek Labs, Inc

## Drawings

### Dimensions



Drawings

PIN assignment

Con.B: COM1 / COM3 [RS232], 9 Pin, Male, D-sub

PIN#	COM1 [RS232]	COM3 [RS232]
1		
2	RxD	
3	TxD	
4		
5	GND	
6		
7	RTS	TxD
8	CTS	RxD

Con.A: COM2 / COM3 [RS485]/ CAN Bus, 9 Pin, Female, D-sub

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

a	DIP-Schalter	f	USB Host
b	Sicherung	g	LAN 2
c	Anschluss Spannungsversorgung	h	LAN 1
d	Anschluss A: COM2 RS-485 2-/4-Draht, COM3 RS-485 2-Draht, CAN Bus		
e	Anschluss B: COM1,COM3 RS-232		



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