

## Operating unit / HMI WBGAC097EAX corresponds to MT8092XE



- 9.7" XGA TFT LCD graphic display 1024 x 768 pixels
- EasyAccess 2.0 license integrated (remote access to your HMI & connected PLCs)
- CAN interface as standard, supports CANopen
- Plastic housing
- Fanless cooling system
- 512 MB flash and 256 MB RAM memory
- Real-time clock RTC
- COM interfaces with MPI supported up to 187.5 k
- USB host
- Reading angle of up to 70° for excellent readability

<https://www.wachendorff-prozesstechnik.de/en/WBGAC097EAX>

### Description

The WBGAC097EAX from Weintek is characterized by the combination of a brilliant high-resolution display with a reading angle of up to 70° and a long service life of the LED backlight. The device is used as a classic man-machine interface.

Thanks to the large number of additional functions and interfaces/drivers, it is at home in almost all areas of industrial automation. The very easy-to-use and logically structured free EasyBuilder Pro project planning software enables flexible use and facilitates adaptation to a wide range of machine operation tasks. In addition to pure operation and monitoring, data logging, trend graphics, alarm management and comprehensive recipe management are also integrated. The fanless system with a 32-bit Cortex A8 CPU with 1 GHz and generously dimensioned RAM ensures plenty of computing power and fast page switching. The WBGAC097EAX from Weintek is ideal for medium and large machine operation with high demands. The integrated EasyAccess 2.0 license allows you remote access to your HMI and the connected PLCs.

### Product details

Display:	Size: 9.7" Resolution: 1024 x 768 pixels Display: TFT-LCD Touch Contrast: 500:1 Brightness: 350 cd/m <sup>2</sup> Backlight type: LED Backlight lifetime:   30,000 hours Colors: 262K Reading angle (O/U/R/L): 60°/70°/70°/70°.
Touch display:	Type: 4-wire analog resistive touch Accuracy: Active range, length (X) ±2%, width (Y) ±2%
Memory:	Flash: 512 MB RAM: 256 MB
Processor:	32 bit RISC Cortex-A8, 1 GHz processor. Linux-based operating system, EasyBuilder Runtime

Interfaces:	USB host: 1x USB 2.0 Ethernet: 2x 10/100/1000 Base-T CAN bus: Yes COM Port: Connection A: COM2 RS485 2-/4-wire, COM3 RS485 2-wire Connection B: COM1 RS232, COM3 RS232 (only Tx & Rx (not RTS/CTS) for COM1 RS232 if COM3 RS232 is used at the same time) Audio Output: N/A (supports USB audio)
Real-time clock:	Integrated real-time clock RTC
Supply voltage:	Input voltage: 24 VDC ±20 % Galvanic isolation (input voltage from system voltage): integrated Current consumption: 650 mA at 24 VDC Dielectric strength: 500 VAC (1 min.) Insulation resistance: > 50 M $\Omega$ at 500 VDC Shock resistance: 10 Hz to 25 Hz (X, Y, Z direction 2 G 30 minutes) Connection via pluggable 3-pole terminal strip.
Printed circuit board coating:	Yes, PCB
Housing:	Sturdy plastic housing.
Dimensions:	L/H/D: 260.6 mm x 203.1 mm x 36.5 mm Panel cut-out: 250 mm x 192 mm
Weight:	approx. 850 g
Assembly:	Panel mounting or VESA 75 mm x 75 mm
Protection class:	IP65, NEMA 4 (for indoor use only), UL Type 4x (for indoor use only)
Ambient temperature:	Operation: 0 °C to +50 °C. Storage: -20 °C to +60 °C. max. 90 % rH, non-condensing.
Certificates:	CE marked
Software:	EasyBuilder Pro V5.02.01 or newer
EasyAccess 2.0:	EasyAccess 2.0 remote access license integrated

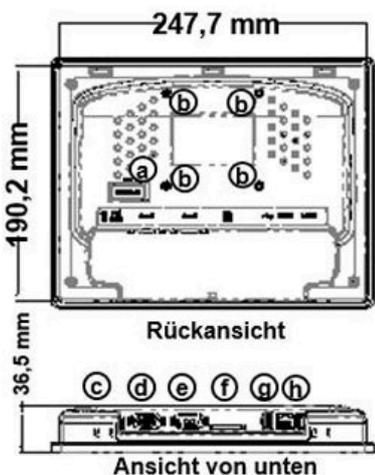
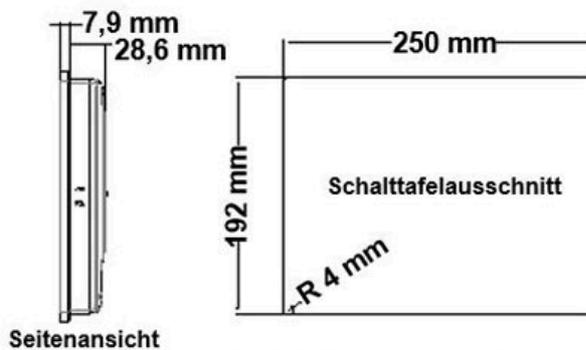
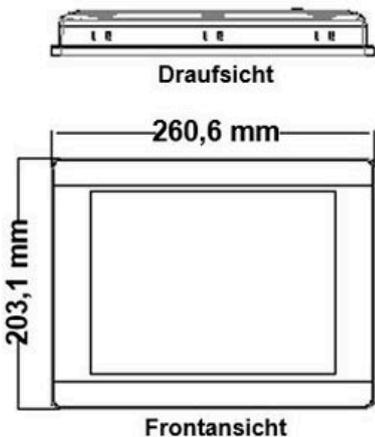
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Manufacturer: Weintek Labs, Inc

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Drawings

Dimensions (mm):



a	Sicherung	f	USB Host
b	VESA 75 mm	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		

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
9		

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+	



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