

## Operating unit / HMI WBGBC101E



- 10.1" TFT LCD graphic display 1024 x 600 pixels
- LED backlight
- Fanless cooling system
- Plastic housing in slim design
- Real-time clock RTC
- IP65 front, NEMA4 compliant
- Ethernet interface
- USB 2.0 host

<https://www.wachendorff-prozesstechnik.de/WBGBC101E>

### Description

The WBGBC101E from Weintek is designed for simple operating and monitoring tasks in all areas of industrial automation where resolution is important. The device is equipped with all the necessary functions, but dispenses with special features and rarely required hardware, thereby significantly increasing the price/performance ratio. Particular attention was paid to a compact design. Space is money! With an installation depth of just 37 mm, the WBGBC101E can be installed almost anywhere. The dark grey plastic housing is ideal for applying your own front foil, e.g. with your logo or the device name in your own colors. Your creativity is only limited by the dimensions of the device. The fanless system with ARM RISC processor and 528 MHz clock has plenty of computing power and impresses with pleasantly fast page switching. An operating device is only as good as its software. The "EasyBuilder Pro" project planning software for the Wachendorff WBG series makes no special demands on your PC, is easy to use and is available free of charge. Programming is easy via the Ethernet or micro USB interface.

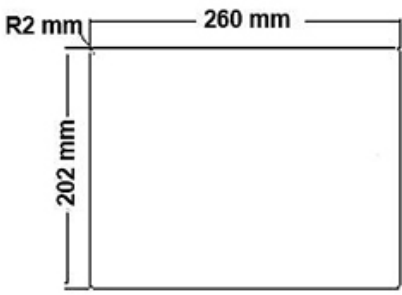
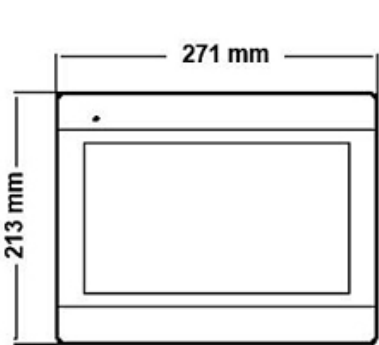
### Product details

Display:	Size: 10.1" Resolution: 1024 x 600 pixels Brightness: 350 cd/m² Contrast: 500:1 Backlight: LED Backlight life: >20,000 hours Colors: 16.7 million LCD viewing angle (up/down/left/right): 60/60/70/70
Touch display:	4-wire analog resistive. Accuracy: Active range length (X) ±2 %, width (Y) ±2 %
Memory:	128 MB RAM 128 MB Flash
CPU and core logic:	ARM RISC 528 MHz
Interfaces:	USB Host: 1x 2.0 Ethernet: 10/100 Base Tx 1 Con.A: COM2 RS485 2-Dr/4-Dr, COM3 RS485 2-Dr Con.B: COM1 RS232 4-Dr, COM3 RS232 2-Dr * RS485 interfaces are MPI-capable up to 187,500 baud.  *Only Tx & Rx (not RTS/CTS) can be used for COM1 RS232 can be used if COM3 RS232 is used at the same time.
Real-time clock:	Integrated real-time clock RTC

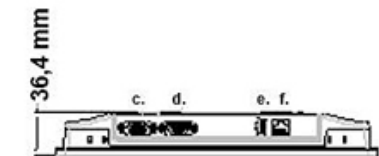
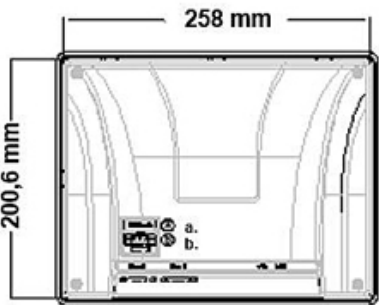
Power supply:	Input voltage: 10.5 VDC to 28 VDC Galvanic isolation (input voltage from system voltage): integrated Current consumption: 1.3 A at 12 VDC; 650 mA at 24 VDC (includes the current consumption of USB devices) Dielectric strength: 500 VAC (1 min.) Insulation resistance: >50 MOhm at 500 VDC Shock resistance: 10 Hz to 25 Hz (X,Y, Z direction 2 G 30 min.)
Housing:	Robust dark gray plastic housing.
Dimensions:	L/H/D: 271 mm x 213 mm x 36.4 mm Panel cut-out: 260 mm x 202 mm
Weight:	approx. 1.0 kg
Fastening:	Panel mounting
Protection class:	NEMA4/IP65 on the front
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
Manufacturer:	Weintek Labs, Inc

Drawings

Dimensions:



Tafelausschnitt



a.	Sicherung
b.	Anschluss Spannungsversorgung
c.	Con.A: COM2 RS485 2-Dr/4Dr, COM3 RS485 2-Dr
d.	Con.B: COM1 RS232 4-Dr, COM3 RS232 2-Dr
e.	USB Host Port
d.	LAN

PIN-Belegung:

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	GND	

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

PIN#	COM1 [RS232]	COM3 [RS232]	COM3 [RS485]
1	Data-	Rx-	
2	Data+	Rx+	
3		Tx-	
4		TX+	
5	GND		
6			Data-
7			
8			
9			Data+



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