

Operating unit / HMI WBGAC121XE3



- 12.1" 1024 x 768 IPS LCD
- Industrial plastic housing
- Fanless cooling system
- 256 MB Flash Memory On-Board
- Real time clock RTC
- IP65 front, NEMA4 compliant
- SD card slot, supports SD and SDHC cards
- COM1 or COM3 (2-wire RS485) supports MPI up to 187.5 k
- Panel and VESA (75 mm x 75 mm) mounting options
- USB host and USB client
- LED backlight

<https://www.wachendorff-prozesstechnik.de/en/wbgac121XE3>

Description

The WBGAC121XE3 from Weintek is characterized by the combination of a brilliant display with a wide viewing angle. The device can be used as a classic HMI, human-machine interface, but can also be used in almost all areas of industrial automation thanks to a wide range of additional functions. The very easy-to-use and logically structured configuration software enables flexible use and facilitates adaptation to a wide variety of tasks. In addition to pure machine operation, data logging, trend graphics and user-defined symbols are also possible. The fanless system with a 32-bit RISC CPU with 1 GHz and generously dimensioned main memory ensures plenty of computing power and fast page switching. The WBGAC121XE3 is ideal for medium and large machine operation with high demands.

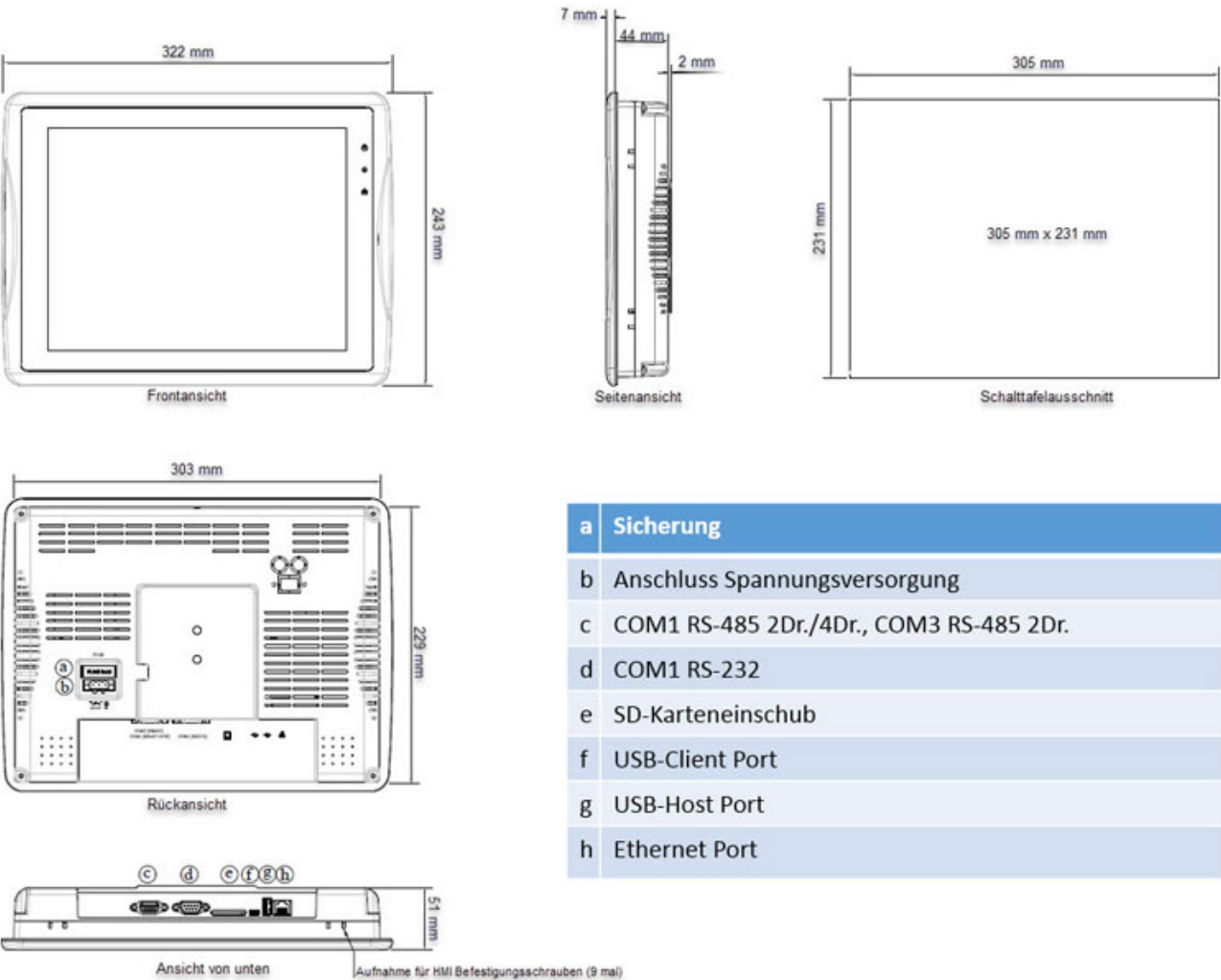
Product details

Power supply:	24 VDC +/-20 %; 1.5 A at 24 VDC Connection via pluggable 3-pole terminal strip.
Display:	Size: 12.1" Resolution: 1024 x 768 pixels Display: IPS-LCD Touch Brightness: 500 cd/m ² Colors: 16.7 million Reading angle (O/U/R/L): 89°/89°/89°/89° Contrast: 1000:1
Touch display:	4-wire analog resistive. Backlight via LED with a typical service life of 30,000 hours.
Indicators:	3 function LEDs for CPU status, power supply and communication.
CPU and core logic:	32 bit RISC 1 GHz processor. Linux-based operating system.
Memory:	- 256 MB RAM - 256 MB on-board flash memory - SD card drive for SD and SDHC cards up to 16 GB.
USB port:	1 x USB 2.0 host and 1 x USB 2.0 client.
Serial interfaces:	COM1: RS232 / RS485 2-/4-wire COM3: RS485 2-wire RS485 interfaces are MPI-capable up to 187,500 baud (not simultaneously) Audio Output: N/A (supports USB audio)
Ethernet:	10/100 Base-T with RJ45 plug

Real-time clock:	Integrated real-time clock RTC
Protection class:	IP65, NEMA 4 Indoor
Housing:	Industrial plastic housing (closed, water-repellent)
Assembly	Panel mounting; VESA 75 x 75
Weight:	approx. 1,700 g
Dimensions (WxHxD):	317 mm x 243 mm x 41 mm
Shock:	10 Hz to 25 Hz (X, Y, Z direction 2 g over 30 minutes)
Ambient temperature:	Operation: 0 °C to +50 °C. Storage: -20 °C to +60 °C. Relative humidity 10% - 90% (non-condensing)
Scope of delivery:	Device, seal, fixing material, replacement fuse.
Certificate:	CE
Software:	EasyBuilder Pro V4.00.01 or newer
Manufacturer:	Weintek Labs, Inc

Drawings

Dimensions (mm):



a	Sicherung
b	Anschluss Spannungsversorgung
c	COM1 RS-485 2Dr./4Dr., COM3 RS-485 2Dr.
d	COM1 RS-232
e	SD-Karteneinschub
f	USB-Client Port
g	USB-Host Port
h	Ethernet Port

Drawings

PIN assignment

PIN-Belegung
COM1 [RS232] 9 PIN D-sub-Stecker

PIN #	COM1 [RS232]
1	
2	RxD
3	TxD
4	
5	GND
6	
7	RTS
8	CTS
9	

COM1 / COM3 [RS485] 9 PIN D-sub-Buchse

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

Drawings

Step file



Step file as .rar

WBGAC121XE3.rar



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