Operating unit / HMI WBGAC043E

- 4.3" TFT LCD graphic display 480 x 272 pixels
- LED backlight
- Plastic housing in slim design
- Fanless cooling system
- Coated circuit board is protected against corrosion and ensures high reliability in harsh environments
- Real time clock RTC
- IP65 front panel, NEMA4 compliant
- COM1 or COM3 (2-wire RS485) supports MPI up to 187.5 k
- USB host

https://www.wachendorff-prozesstechnik.de/en/WBGAC043E

Description

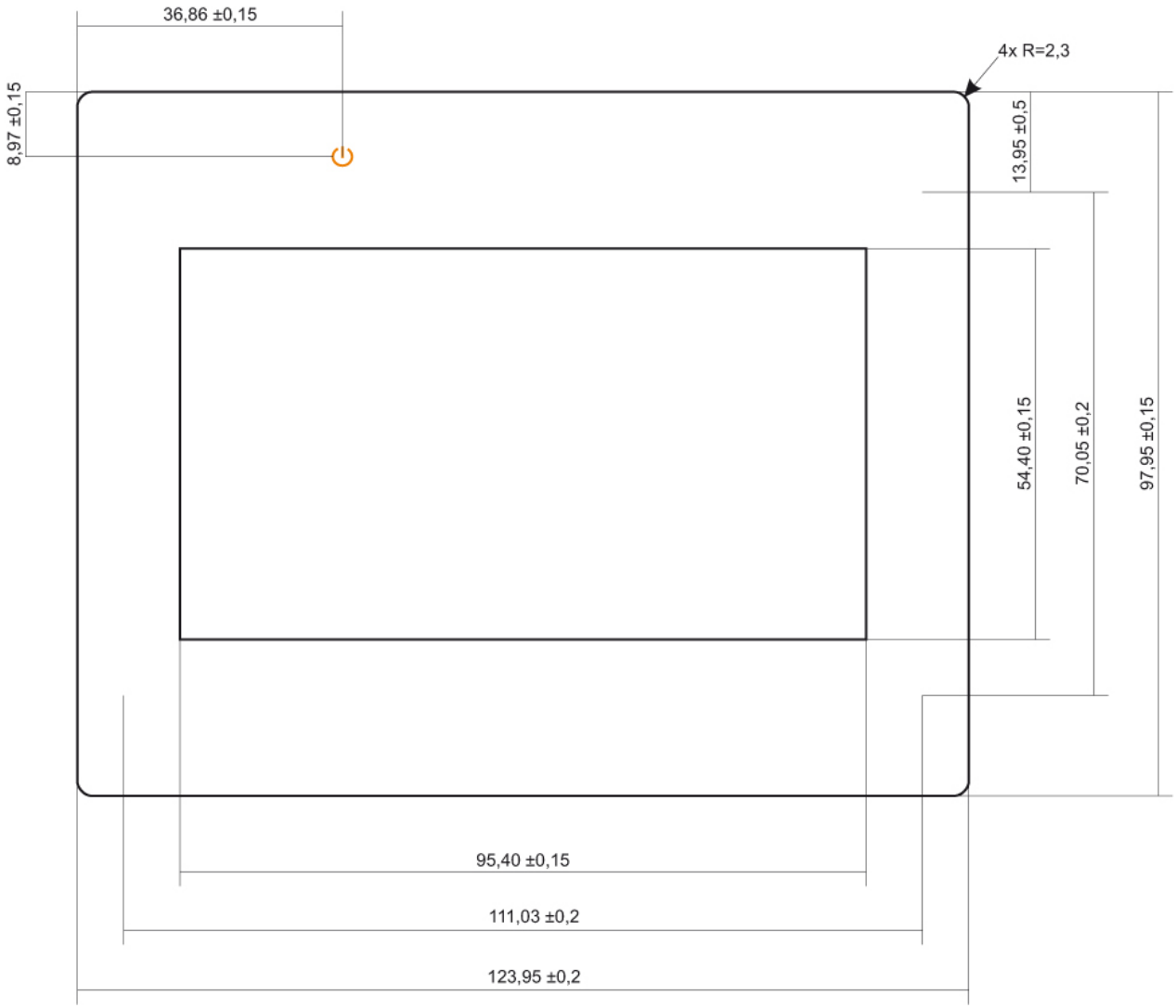
The WBGAC043E from Weintek is specially designed for small and medium-sized operating and monitoring tasks in all areas of industrial automation. The device is equipped with all the necessary functions, but dispenses with special features and rarely required hardware, thereby significantly increasing the price/performance ratio. Special attention was paid to a compact design. Space is money! With an installation depth of just 25 mm, the WBGAC043E can be installed almost anywhere. The color-neutral plastic housing is ideal for applying your own designed 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.
Wachendorff operating devices are industrially robust. The circuit board of the WBGAC043E from Weintek is protected against corrosion and moisture by a special coating. The RS485 serial interface is double galvanically isolated. This makes the device ideal for use in harsh industrial environments and ensures reliable operation and a long service life. The fanless system with 32-bit Cortex A8 processor and 600 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.

Product details

Power supply:	24 VDC +/-20 %; typ. 350 mA max. Connection via pluggable 3-pin terminal strip.
Display:	Size: 4.3" Resolution: 480 x 272 pixels Display: TFT-LCD Touch Brightness: 500 cd/m² Colors: 16 million Contrast: 500:1
Touch display:	4-wire analog resistive. Backlight via LED with a typical service life of 30,000 hours.
Indicators:	1 LED to indicate the power supply.
CPU and core logic:	32 bit Cortex A8 600 MHz processor. Linux-based operating system.
Memory:	- 128 MB RAM - 128 MB memory
USB port:	1x USB 2.0 host
Serial interfaces:	COM1: RS232 / RS485 2-/4-wire, COM3: RS232 / RS485 2-wire. RS485 interfaces are MPI-capable up to 187,500 baud.
Ethernet:	10/100 Base-T with RJ45 plug
Real-time clock:	Integrated real-time clock RTC
Protection class:	IP65 on the front
Housing:	Robust plastic housing.
Panel detail:	93 mm x 119 mm, R max. 2mm
Shock:	10 Hz to 25 Hz (X,Y, Z direction 2 *g* over 30 minutes).
Relative humidity:	10 % to 90 %. rH, non-condensing
Ambient temperature:	Operation: 0 °C to +50 °C. Storage: -20 °C to +60 °C.
Weight:	approx. 250 g
Software:	EasyBuilder Pro from Ver. 4.00.01 or higher.
Scope of delivery:	Device, seal, fixing material, replacement fuse.
Manufacturer:	Weintek Labs, Inc

Drawings

Overlay for your individual WBGAC043E/P



Downloads / FAQ

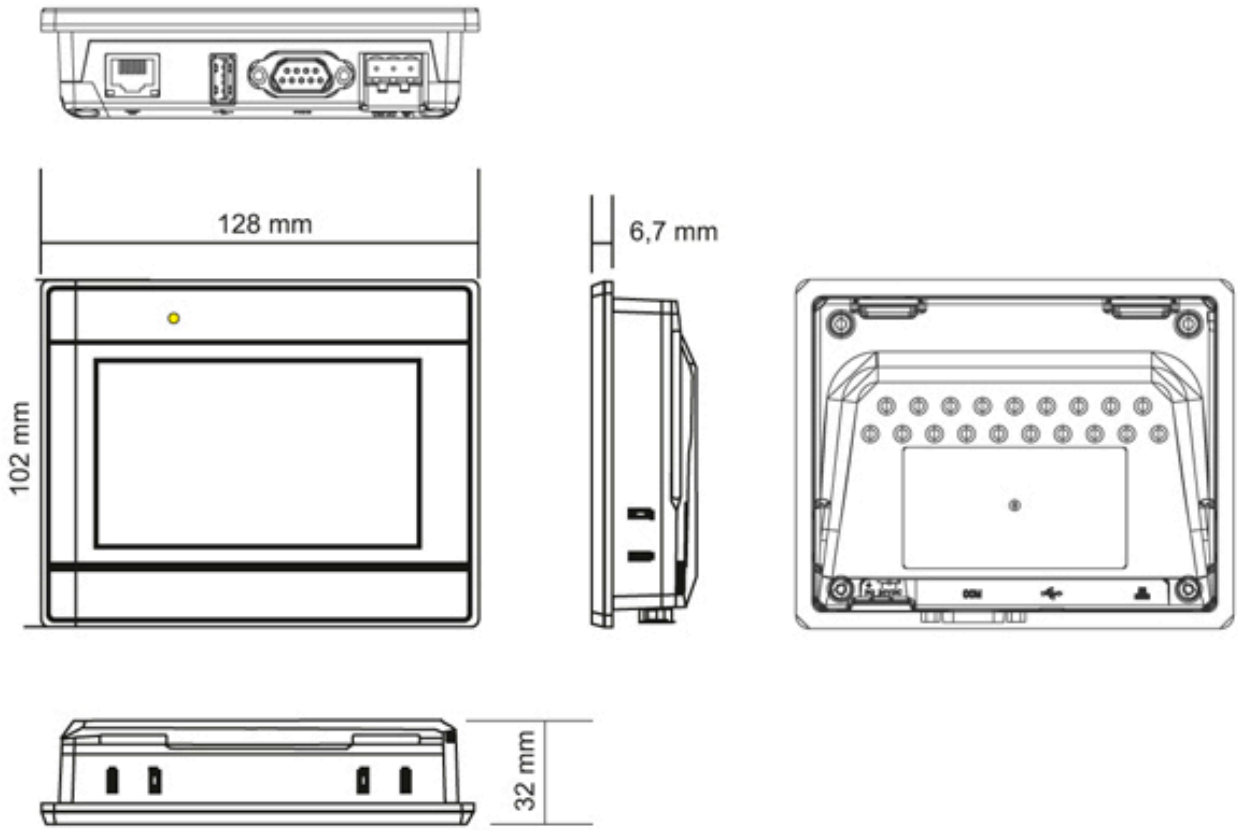
The following files could be downloaded from our website directly from this product under the tab "Drawings":

Design basis for your overlay as PDF

WBGFOL0_SE_S0_43P_AC043E.pdf

Drawings

Dimensions:



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