

Operating unit / HMI WBGAC070B



- 7" wide screen TFT LCD graphic display 800 x 480 pixels
- Aluminum housing
- Specially coated circuit board is protected against corrosion and ensures high reliability in harsh environments
- Fanless cooling system
- 256 MB Flash memory on-board
- Real-time clock RTC
- IP66 front panel, NEMA4 compliant
- SD card slot, supports SD and SDHC cards
- COM1 or COM3 (2-wire RS485) supports MPI up to 187.5 k
- CAN interface as standard, supports CANopen
- USB host and USB client (micro USB)

<https://www.wachendorff-prozesstechnik.de/en/wbgac070b>

Description

The WBGAC070B from Weintek is characterized by the combination of a brilliant display and a large variety of interfaces. 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 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 overall package is rounded off by the CANopen interface, which is always available. The fanless system with a 32-bit CORTEX A8 CPU with 1 GHz and generously dimensioned RAM ensures very good computing performance and pleasantly fast page switching. The WBGAC070B from Weintek is ideal for small and medium-sized machine operation and is THE standard device in this area.

Product details

Power supply:	24 VDC +/-20 %; 400 mA max. Connection via plug-in 3-pin terminal strip.
Display:	Size: 7" Resolution: 800 x 480 pixels Display: TFT-LCD Touch Brightness: 500 cd/m ² Colors: max. 16.7 million Reading angle: (O/U/R/L): 50°/60°/65°/65° Contrast: 500:1
Touch display:	4-wire analog resistive. LED backlight, service life >30,000 hours.
Indicators:	3 function LEDs for CPU status, power supply and communication.
CPU and core logic:	32 bit CORTEX A8, 1 GHz processor. Linux, EasyBuilder Pro Runtime.
Memory:	- 256 MB RAM - 256 MB on-board flash memory - SD card drive for SD and SDHC cards up to 32 GB.
USB port:	1 x USB 2.0 host and 1 x USB 2.0 (micro USB) client.
Ethernet:	10/100 Base-T with RJ45 plug

Serial interfaces:	COM1: RS232 / RS485 2-/4-wire, COM3: RS232 / RS485 2-wire galvanically isolated. RS485 interfaces are MPI-capable up to 187,500 baud. CAN: supports CANopen protocol. Audio Output: N/A (supports USB audio)
Real-time clock:	Integrated real-time clock RTC
Protection class:	IP66, NEMA 4 Indoor.
Housing:	Sturdy aluminum housing.
Shock:	10 Hz to 25 Hz (X, Y, Z direction 2 g over 30 minutes)
Surroundings:	Operation: -20 °C to +50 °C. Storage: -20 °C to +70 °C. max. 90 % rH, non-condensing.
Weight:	approx. 900 g
Scope of delivery:	Device, seal, fixing material, replacement fuse.
Manufacturer:	Weintek Labs, Inc

Products Order no.

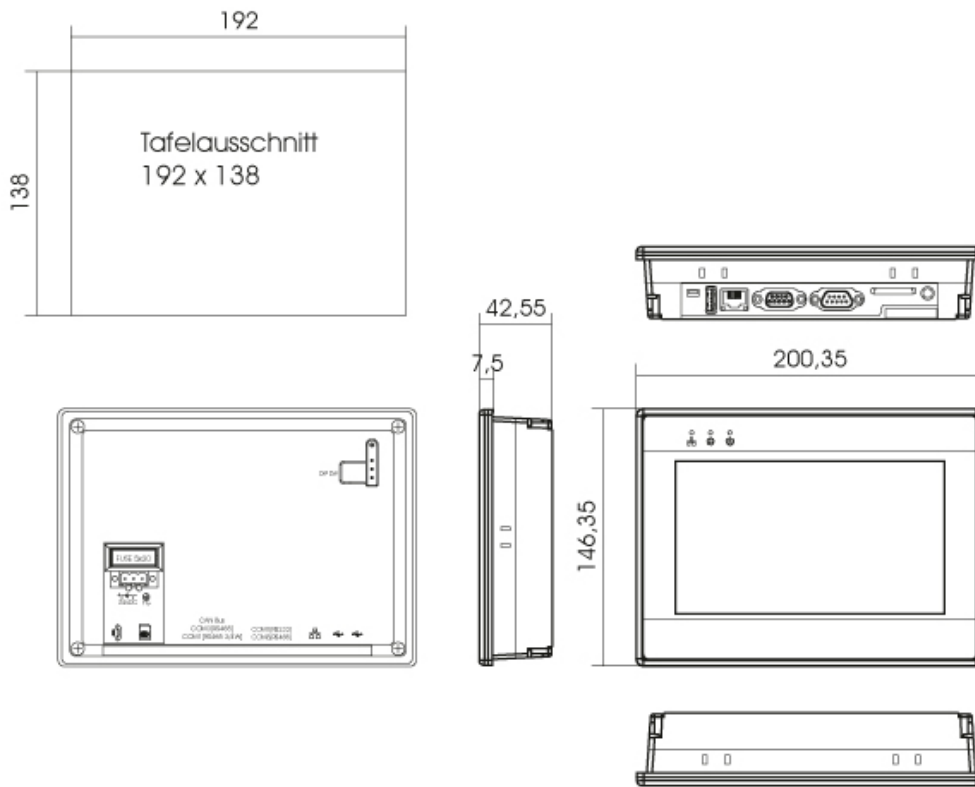
WBGAC070B	7" control unit, EasyBuilder Pro V5
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Accessories Order no.

DRS4-24A	Power supply unit for DIN rail, 85 to 264 VAC, 24 VDC 4.2 A, screw terminal
KABUSB11	USB programming cable, 1.5 m
WBGSTAN2	Acrylic glass presentation bracket for 7" control unit
KABETH12	Patch cable, RJ45 UTP CCA, CAT5e white, 2 m

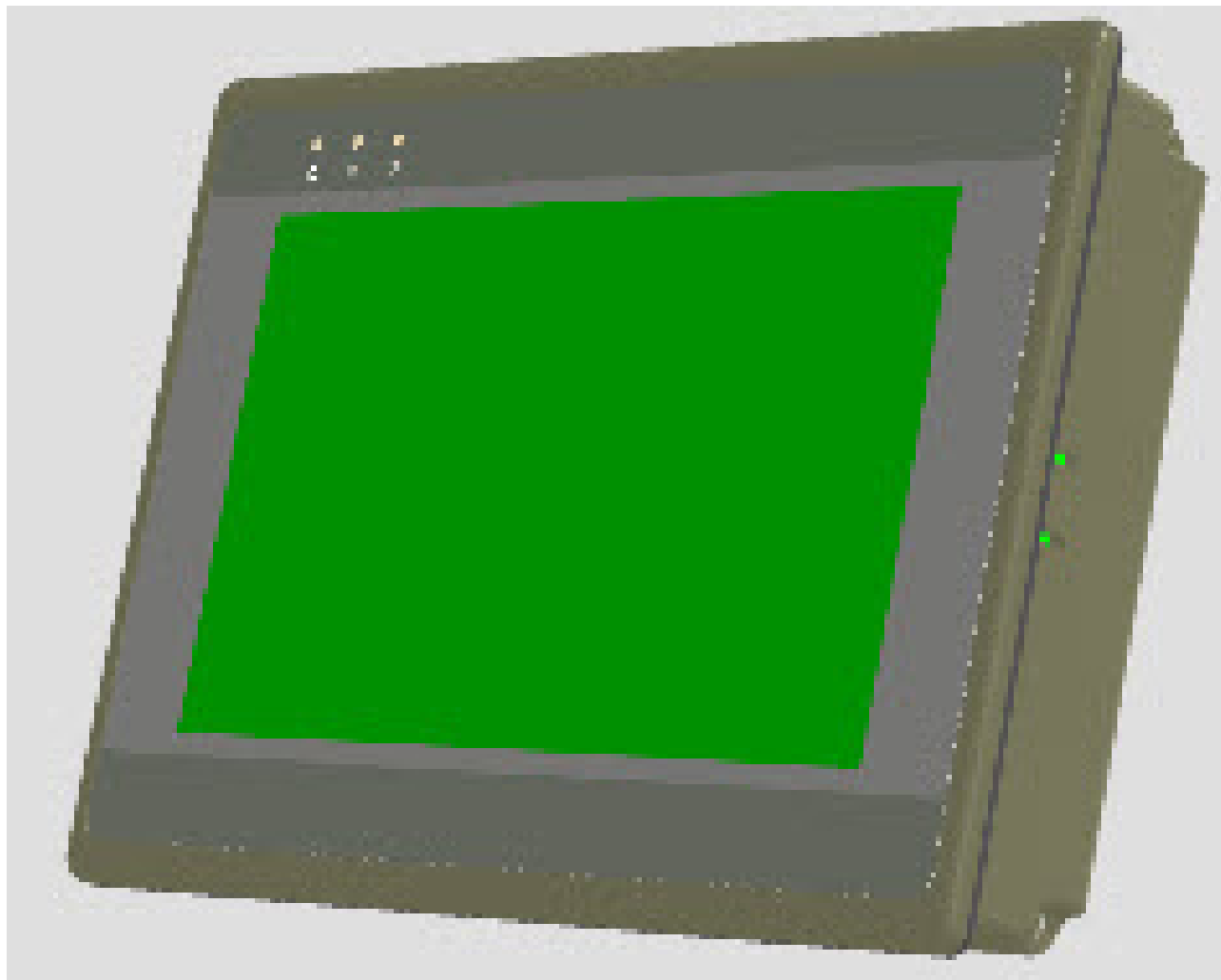
Drawings

Dimensions (mm):



Drawings

Step file



Step file as .rar

WBGAC070B.rar



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