

## Control unit / HMI MT8102iE



- 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
- Coated circuit board is protected against corrosion and ensures high reliability in harsh environments
- COM2 or COM3 (2-wire RS485) supports MPI up to 187.5 k
- USB host

<https://www.wachendorff-prozesstechnik.de/en/MT8102iE>

### Description

The MT8102iE from Weintek is 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. Particular attention was paid to a compact design. Space is money! With an installation depth of just 36.4 mm, the MT8102iE 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 MT8102iE 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 RISC processor and 600 MHz clock has plenty of computing power and impresses with its pleasantly fast page switching. An operating device is only as good as its software. The "EasyBuilder Pro" project planning software for the Wachendorff IE series makes no special demands on your PC, is easy to use and is available free of charge.

### Product details

|                                |  |  |
|--------------------------------|--|--|
| Display:                       | Size: 10.1"<br>Resolution: 1024 x 600 pixels<br>Display: TFT-LCD Touch<br>Brightness: 350 cd/m <sup>2</sup><br>Colors: 16.7 million<br>Contrast: 500:1<br>Backlight: LED with a typical service life of 50,000 hours.<br>LCD viewing angle (up/down/left/right): 60/60/70/70   | USB Host: 1x USB 2.0<br>Ethernet: 10/100 Base-Tx 1<br>COM Port:<br>ConA: COM1: RS485 2-wire, COM2 RS485 2-/4-wire<br><b>Note ConA:</b><br>COM1 RS485 2-wire cannot be used if COM3 RS485 4-wire is used!<br>ConB: COM1: RS232 / COM3 RS232<br><b>Note ConB:</b><br>Only use Tx & Rx (not RTS/CTS) for COM1 RS232 if COM3 RS232 is used at the same time!<br>RS485 interfaces are MPI-capable up to 187,500 baud. |
| Real-time clock:               | Integrated real-time clock RTC   |  |
| Power supply:                  | 24 VDC +/- 20 %<br>Connection via pluggable 3-pole terminal strip.<br>Galvanic isolation (input voltage from system voltage): integrated<br>Current consumption: 650 mA at 24 VDC<br>Dielectric strength: 500 VAC (1 min.)<br>Insulation resistance: >500 MOhm at 500 VDC<br>Shock resistance: 10 Hz to 25 Hz (X-, Y-, Z-direction 2 G 30 minutes) |  |
| Printed circuit board coating: | Yes, PCB   |  |
| Housing:                       | Robust plastic housing.  |  |
| Dimensions:                    | L/H/D: 271 mm x 213 mm x 36.4 mm<br>Panel cut-out: 260 mm x 202 mm   |  |
| Weight:                        | approx. 1.000 g  |  |
| Fastening:                     | Front mounting   |  |
| Protection class:              | NEMA4 / IP65 Front   |  |
| Ambient temperature:           | Operation: 0 °C to +50 °C.<br>Storage: -20 °C to +60 °C.   |  |
| Relative humidity:             | 10 % to 90 % rH, non-condensing  |  |
| Certificates:                  | CE   |  |
| Software:                      | EasyBuilder Pro  |  |
| Manufacturer:                  | Weintek Labs, Inc  |  |

### Products Order no.

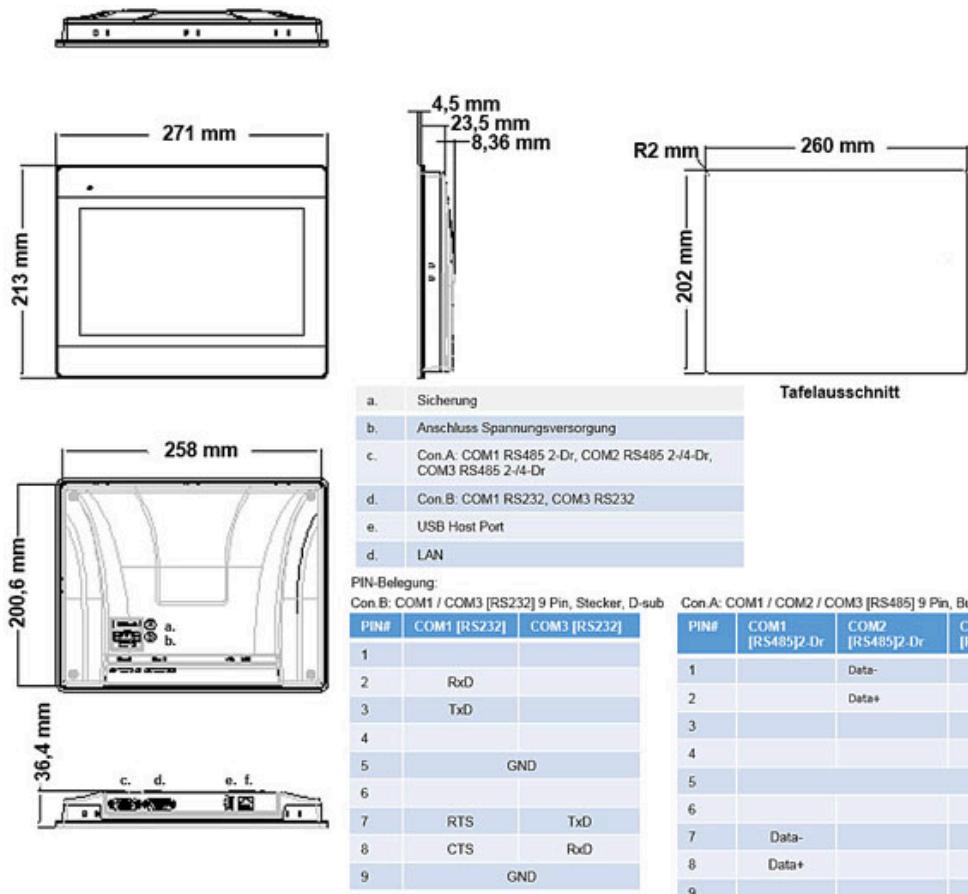
|          |  |
|----------|--|
| MT8102iE | 10.1" Wide Screen TFT Touch, 1024x600, Cortex A8 600MHz, 3x serial |
|----------|--|

### Accessories Order no.

|          |   |
|----------|---|
| DRS4-24A | Power supply unit for top-hat rail, 85 to 264 VAC, 24 VDC 4.2 A, screw terminal |
| KABETH11 | Patch cable, RJ45 UTP CCA, CAT5e white, 1 m                                     |

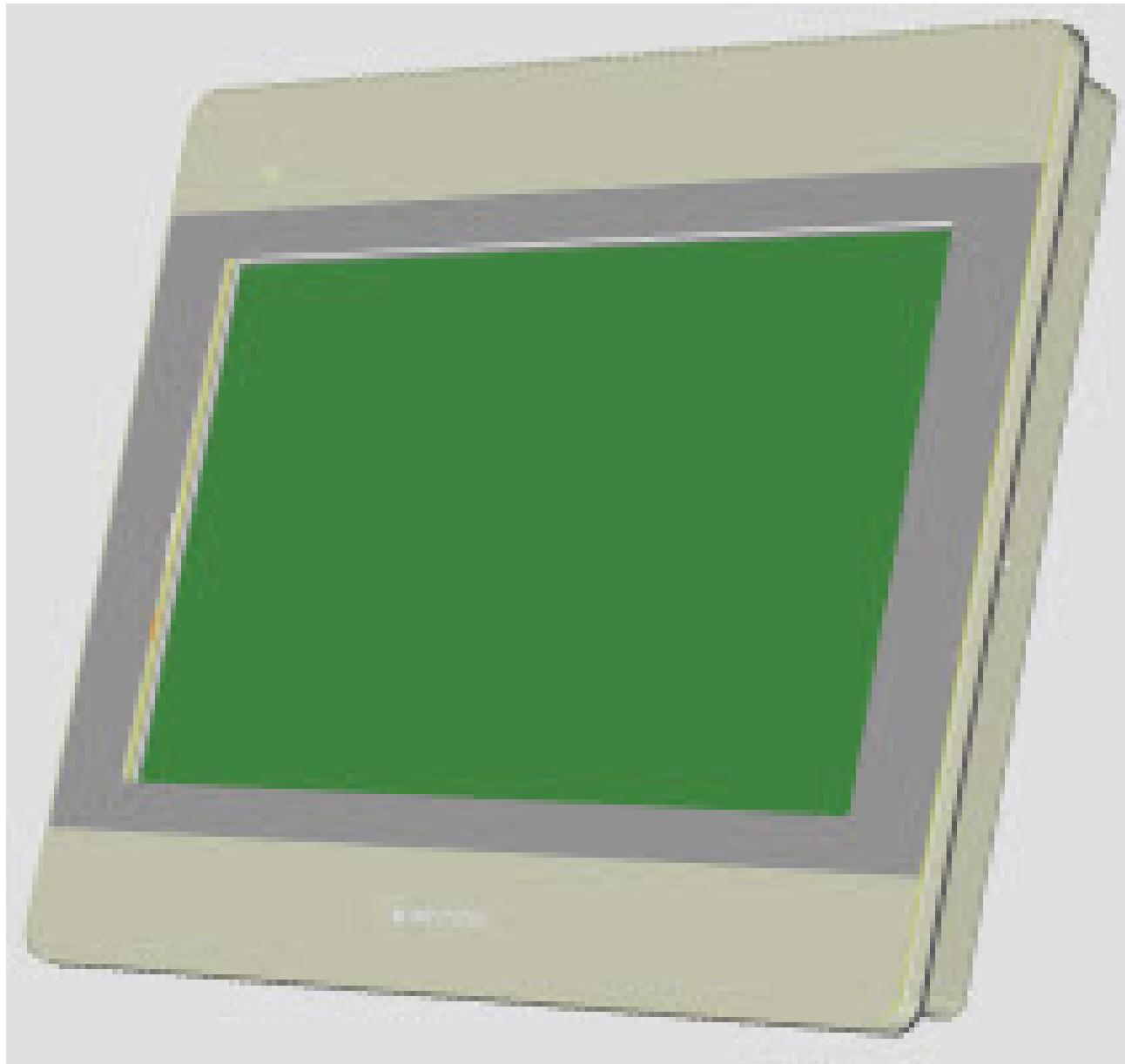
**Drawings**

Dimensions (mm):



**Drawings**

**Step file**



**Step file as .rar**

WBGAC101E.rar



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