

## 10.1 inch WebPanel WPC002-101RAT



- 10.1" brilliant TFT-LCD graphic display, 1280 x 800
- resistive touch
- IP65 front, flush-mounted design
- Integrated WiFi and Bluetooth
- Fanless design

<https://www.wachendorff-electronics.comWPC002-101RAT>

### Description

The Series 1 WebPanels with the RK3399 chipset are available in sizes from 10.1" to 23.8" and can be equipped with either a projected capacitive, resistive or no touchscreen. Particularly noteworthy is the particularly flat front bezel, which enables almost flush mounting in the panel cut-out.

The RK3399 chipset has a quad-core Cortex-A53 with up to 1.4 GHz and dual-core Cortex-A72 with 1.8 GHz. The housings are IP65 rated at the front and have a very compact and robust design thanks to the specially designed aluminum housing. The low installation depth means that the displays can be used almost anywhere.

### Product details

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power supply:      | Hollow plug 5.5 x 2.5 mm: 12 VDC to 36 VDC<br>Screw terminal: 12 VDC to 36 VDC                                                                                                                                                                                                                                                                                                                                               |
| Power consumption: | Typical power consumption: 18 W<br>Maximum power consumption: 48 W                                                                                                                                                                                                                                                                                                                                                           |
| Display:           | 10.1" TFT LCD                                                                                                                                                                                                                                                                                                                                                                                                                |
| Resolution:        | 1280 x 800 pixels                                                                                                                                                                                                                                                                                                                                                                                                            |
| Aspect ratio:      | 16:10                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Brightness:        | 300 cd/m <sup>2</sup><br>1000 cd/m <sup>2</sup> (High Brightness)                                                                                                                                                                                                                                                                                                                                                            |
| Colors:            | 16.7 million                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Reading angle:     | 85/85/85/85 (L/R/U/D)                                                                                                                                                                                                                                                                                                                                                                                                        |
| Touch screen:      | resistive touch                                                                                                                                                                                                                                                                                                                                                                                                              |
| Glass hardness:    | 3H                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Processor:         | RK3399 quad-core chip<br>Dual Core Cortex-A53 up to 1.4 GHz<br>Quad-Core Cortex-A72 up to 1.8 GHz                                                                                                                                                                                                                                                                                                                            |
| RAM:               | 4 GB DDR3 RAM                                                                                                                                                                                                                                                                                                                                                                                                                |
| Storage:           | Onboard 64 GB eMMC NAND Flash                                                                                                                                                                                                                                                                                                                                                                                                |
| Interfaces:        | USB: 1x USB 3.0 type A, 1x USB 2.0 type A<br>Serial DB9: 1x RS-232<br>12-pin screw terminal: 1x RS-485, 1x RS-232, 1x TTL, 3x GPIO<br>Ethernet: 1x 10/100/1000 BaseT(X), RJ45, galvanically isolated<br>Display: 1x HDMI output<br>Audio output: 3.5 mm jack<br>Memory card slot: microSD slot<br>Sim card slot: Standard SIM (without function as standard)<br>WLAN: 1x 802.11 a/b/g/n/ac/ax<br>Bluetooth: 1x Bluetooth 5.0 |

|                        |                                                                                                                                                                     |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Housing:               | Robust aluminum housing                                                                                                                                             |
| Assembly:              | VESA 100 x 100 and/or 75 x 75<br>Panel mounting                                                                                                                     |
| Protection class:      | Front IP65                                                                                                                                                          |
| Weight:                | approx. 1.8 kg                                                                                                                                                      |
| Dimensions (WxHxD):    | 293.6 mm x 193.6 mm x 48.5 mm                                                                                                                                       |
| Ambient conditions:    | Operation: -10 °C to +60 °C,<br>Optional WT: -20 °C to +70 °C<br>High Brightness: -20 °C to +70 °C<br>Storage: -20 °C to +70 °C<br>Up to 95 % r. h., non-condensing |
| Certifications:        | CE<br>FCC Class A<br>CCC                                                                                                                                            |
| Operating system:      | Android<br>Android + AutomationBrowser<br>(standard, for SAIA visualizations on request)                                                                            |
| Scope of delivery:     | 1x device<br>1x mounting material                                                                                                                                   |
| Customs tariff number: | 84714100                                                                                                                                                            |
| Manufacturer:          | Wachendorff Process Technology                                                                                                                                      |

### Products Order no.

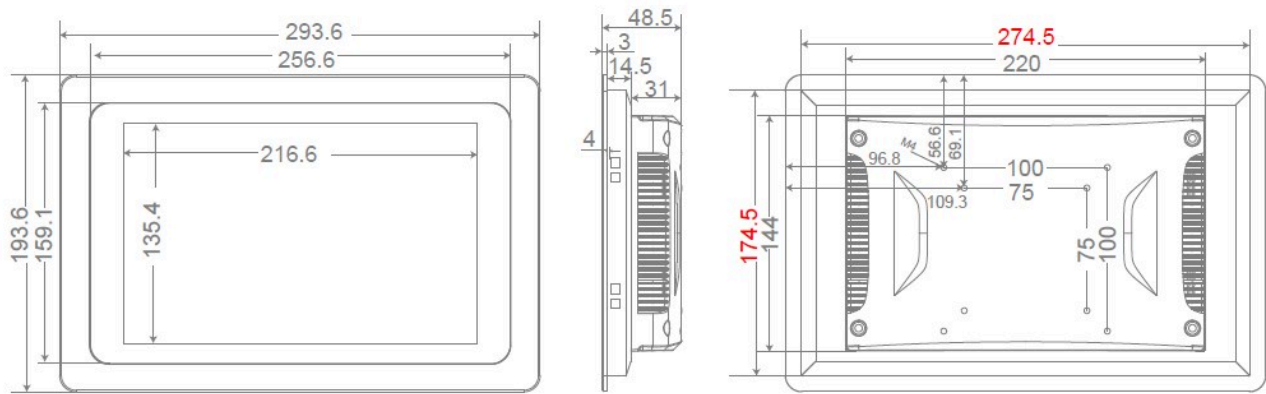
|                            |                                                            |
|----------------------------|------------------------------------------------------------|
| WPC002-101RAT04064AAV02P-A | 10.1" web panel, resistive touch, with automation browser. |
| WPC002-101RAT04064AAV02P   | 10.1" web panel, resistive touch.                          |

### Accessories Order no.

|                       |                                                                                               |
|-----------------------|-----------------------------------------------------------------------------------------------|
| PPC-PWRCRD_01         | Mains cable / connection cable E+F CEE 7/7 to C13 1.5 m                                       |
| WPC-PWRADAP_24VDC2.5A | External power supply unit for WebPanel, 230 VAC to 24 VDC with hollow connector and C14 plug |
| PPC-Stand_01          | Industrial monitor/display stand, VESA 100x100, black                                         |
| PPC-Stand_02          | Industrial monitor/display stand, VESA 100x100, silver                                        |
| PPC-WALL-VESA-01      | VESA wall mount metal, 75 x 75, 100 x100, black, including screw accessory pack               |

## Drawings

Dimensions (mm) and STEP file/viewer:





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