

## 21.5" WebPanel WPC002-215CAT



- 21.5" brilliant TFT-LCD graphic display, 1920 x 1080
- Capacitive touch
- IP65 front, flush frame design
- Integrated WiFi and Bluetooth
- Fanless design

<https://www.wachendorff-electronics.com/WPC002-215CAT>

### 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 especially flat front frame, which enables almost aligned 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 aluminium housing. The low installation depth means that the displays can be used almost anywhere.

### Product-Details

|                    |                                                                                                                 |
|--------------------|-----------------------------------------------------------------------------------------------------------------|
| Power supply:      | Hollow connector 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:           | 21.5" TFT-LCD                                                                                                   |
| Resolution:        | 1920 x 1080 Pixel                                                                                               |
| Aspect ratio:      | 16:9                                                                                                            |
| Brightness:        | 300 cd/m <sup>2</sup><br>1000 cd/m <sup>2</sup> (High Brightness)<br>800 cd/m <sup>2</sup> (High Brightness WT) |
| Colours:           | 16,7 M.                                                                                                         |
| Viewing angle:     | 89/89/89/89 (L/R/U/D)                                                                                           |
| Touchscreen:       | capacitive touch                                                                                                |
| Glas hardness:     | 6H                                                                                                              |
| 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                                                                                   |

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| I/O-ports:                | USB: 1x USB 3.0 Typ A, 1x USB 2.0 Typ 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 In-/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 aluminium housing                                                                                                                                                                                                                                                                                                                                                                                                       |
| Mounting:                 | VESA 75 x 75, VESA 100 x 100<br>Panel mount                                                                                                                                                                                                                                                                                                                                                                                    |
| Protection class:         | IP65 at the front                                                                                                                                                                                                                                                                                                                                                                                                              |
| Weight:                   | Approx. 5.8 kg                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Dimensions (WxHxD):       | 557 mm x 345 mm x 63 mm                                                                                                                                                                                                                                                                                                                                                                                                        |
| Environmental conditions: | Operation: -10 °C to +60 °C<br>Optional WT: -20 °C to +70 °C<br>High Brightness : 0 to +50<br>High Brightness WT: -20 °C to +70 °C<br>Storage: -20 °C to +70 °C<br>95 %, non-condensing                                                                                                                                                                                                                                        |
| Certifications:           | CE<br>FCC Class A<br>CCC                                                                                                                                                                                                                                                                                                                                                                                                       |
| Operating system:         | Android<br>Android + AutomationBrowser (standard, for SAIA visualisations on request)                                                                                                                                                                                                                                                                                                                                          |
| Packing list:             | 1x device<br>1x mounting material                                                                                                                                                                                                                                                                                                                                                                                              |
| Tariff number:            | 84714100                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Manufacturer:             | Wachendorff Prozesstechnik                                                                                                                                                                                                                                                                                                                                                                                                     |

### Products Order no.

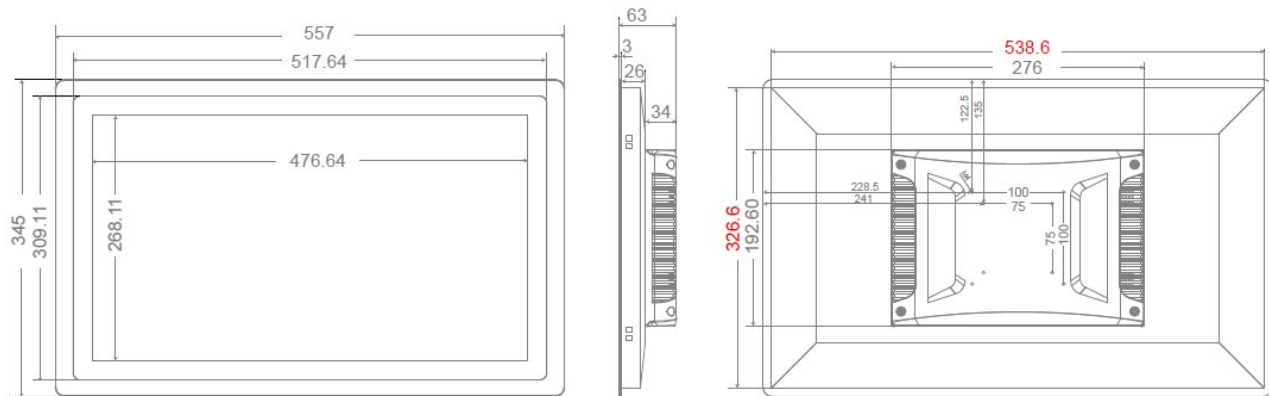
|                            |                                                        |
|----------------------------|--------------------------------------------------------|
| WPC002-215CAT04064AAV02P   | 21.5" web panel, capacitive touch.                     |
| WPC002-215CAT04064AAV02P-A | 21.5" web panel, capacitive touch, automation browser. |

### Accessories Order no.

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

## Drawings

### Drawings (mm):





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