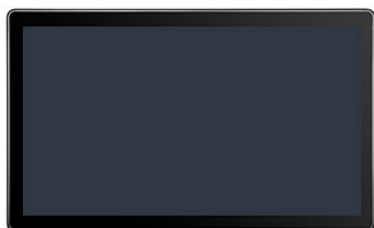


## 21.5 inch Panel PC Series-2B2 Intel® Core™ i3 / i5 / i7 12th Gen.



- 21.5" TFT LCD, 1920 x 1080
- Processor: Intel® Core® 12th generation
- Die-cast aluminum housing
- Frameless design, IP65 on the front
- Fanless design

<https://www.wachendorff-electronics.comPPC005-215B2>

### Description

#### Wachendorff Panel PC Series-2

The Wachendorff Series-2 Panel PCs are available in display sizes ranging from 10" to 21.5" and can be equipped with projected capacitive, resistive or no touch. The projected capacitive touch display enables multi-touch operation with an appropriate operating system. If pressure-sensitive operation is required (e.g. with gloves), the resistive touch is the right choice. You can choose from a variety of different processors, from the energy-efficient Intel® Celeron® J4125 to a 12th generation Intel® Core™ i7. Integrate up to 64 GB of RAM to meet the most demanding requirements. Particularly noteworthy is the extremely narrow display edge, which enables a virtually frameless design. The housings are IP65 rated at the front and have a very compact and robust design thanks to the specially constructed aluminum housing. The unique fanless thermal design of the die-cast aluminum housing enables effective temperature control.

### 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: 70 W                                                                          |
| Display:           | 21.5" TFT LCD                                                                                                                               |
| Resolution:        | 1920 x 1080 pixels                                                                                                                          |
| 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)                             |
| Colors:            | 16,7 M                                                                                                                                      |
| Reading angle:     | 89/89/89/89 (L/R/U/D)                                                                                                                       |
| Touch screen:      | <ul style="list-style-type: none"> <li>• Projected capacitive touch</li> <li>• Resistive touch</li> <li>• without touch</li> </ul>          |
| Glass hardness:    | <ul style="list-style-type: none"> <li>• 6H Projected capacitive touch</li> <li>• 3H Resistive touch</li> <li>• 7H without touch</li> </ul> |
| Processor:         | Intel® Core™ i3-1215U (4.4 GHz),<br>Intel® Core™ i5-1235U (4.4 GHz),<br>Intel® Core™ i7-1255U (4.7 GHz)                                     |
| RAM:               | Max. 32GB DDR4                                                                                                                              |
| SSD/HDD:           | Max. 1 TB                                                                                                                                   |

|                        |                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Interfaces:            | USB: 2 x USB 2.0 type A, 2 x USB 3.0 type A<br>Serial DB-9: 1x RS-232<br>12-pin screw terminal: 1x RS-485, 1x RS-232, 5x GPIO<br>Ethernet: 2x RJ-45 Gigabit Ethernet, galvanically isolated<br>Display: 1x HDMI, 1x VGA<br>Audio: 1x audio out, 3.5 mm jack<br>Sim Card Slot: Standard SIM (without function as standard)<br>WLAN: 1x 802.11 abgn/ac/d/e/i/h/w<br>Bluetooth: 1x Bluetooth 4.0 |
| Expansion slots:       | None                                                                                                                                                                                                                                                                                                                                                                                          |
| Housing:               | Die-cast aluminum housing                                                                                                                                                                                                                                                                                                                                                                     |
| Assembly:              | VESA 75 x 75, VESA 100 x 100<br>Panel mounting                                                                                                                                                                                                                                                                                                                                                |
| Protection class:      | IP65 on the front                                                                                                                                                                                                                                                                                                                                                                             |
| Dimensions (WxHxD):    | 528.2 mm x 319.6 mm x 68.3 mm                                                                                                                                                                                                                                                                                                                                                                 |
| Weight:                | approx. 6.5 kg                                                                                                                                                                                                                                                                                                                                                                                |
| Certifications:        | CE, RoHS, FCC, REACH                                                                                                                                                                                                                                                                                                                                                                          |
| Ambient conditions:    | Operation: -10 °C to +60 °C,<br>Optional WT: -20 °C to +70 °C<br>High Brightness WT: -20 °C to +70 °C<br>High Brightness : 0 °C to +50 °C<br>Storage: -20 °C to +70 °C<br>Up to 95 % r. h., non-condensing                                                                                                                                                                                    |
| Operating systems:     | Windows® 10 IoT<br>Windows® 11 IoT                                                                                                                                                                                                                                                                                                                                                            |
| Options:               | LTE<br>-20 °C to +70 °C (optionally customizable)                                                                                                                                                                                                                                                                                                                                             |
| Scope of delivery:     | 1 x device<br>1 x mounting material                                                                                                                                                                                                                                                                                                                                                           |
| Customs tariff number: | 8471 41 00                                                                                                                                                                                                                                                                                                                                                                                    |
| Manufacturer:          | Wachendorff Prozesstechnik GmbH & Co. KG                                                                                                                                                                                                                                                                                                                                                      |

### Products Order no.

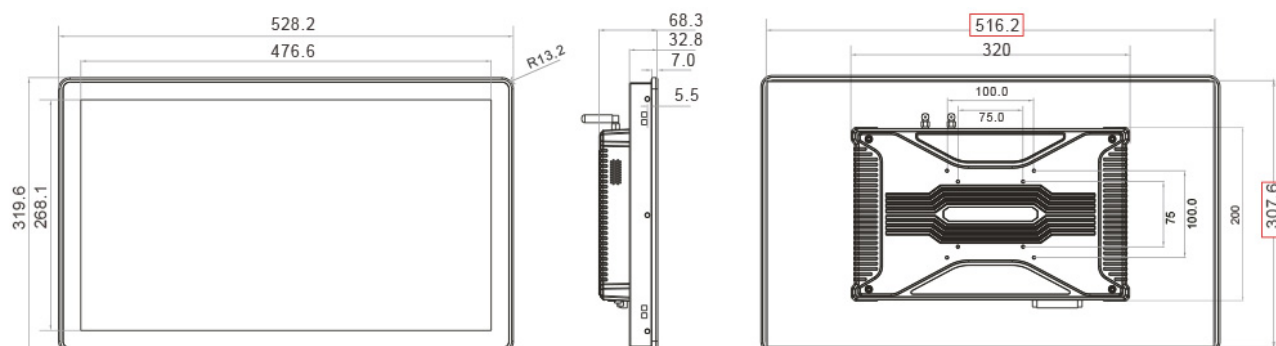
|              |                                                                                  |
|--------------|----------------------------------------------------------------------------------|
| PPC005-215B2 | 21.5 inch Industrial Panel PC Series-2B2, aluminum housing, Intel Core 12th Gen. |
|--------------|----------------------------------------------------------------------------------|

### Accessories Order no.

|                        |                                                                                                                |
|------------------------|----------------------------------------------------------------------------------------------------------------|
| PPC-PWRADAP_03_24VDC5A | External power supply unit for Intel Core 12. Gen. Panel-PC, 230VAC to 24VDC, hollow connector and C14 Stecker |
| PPC-PWRCRD_01          | Mains cable / connection cable E+F CEE 7/7 to C13 1.5 m                                                        |
| 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 STL file/viewer:



Schnittstellenposition kann abweichen. Für genauere Information bitte die Produktfotos beachten.  
Interface position may vary. Please refer to the product photos for more detailed information.



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