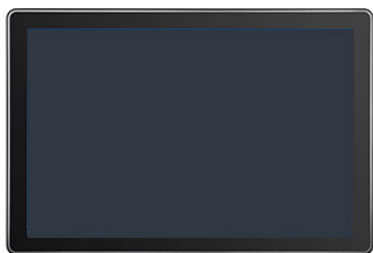


## 19.1" Panel-PC Series-2B2

### Intel® Core™ i3 / i5 / i7 12th Gen.



- 19.1" TFT-LCD, 1440 x 900 pixel
- Processor: Intel® Core™ i3 / i5 / i7 12th Gen.
- Die-cast aluminium housing
- Flush frame design, IP65 on the front
- Fanless cooling system

<https://www.wachendorff-electronics.com/PPC005-191B2>

#### Description

##### Wachendorff Panel-PC Series-2

The Wachendorff Panel-PC Series-2 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 especially narrow display edge, which enables an almost 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 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: 70 W                                                                          |
| Display:           | 19.1" TFT-LCD                                                                                                                               |
| Resolution:        | 1440 x 900 Pixel                                                                                                                            |
| Aspect ratio:      | 16:10                                                                                                                                       |
| Brightness:        | 300 cd/m²<br>1000 cd/m² (High Brightness)                                                                                                   |
| Colours:           | 16.7 M.                                                                                                                                     |
| Reading angle:     | 80/80/80/80 (L/R/U/D)                                                                                                                       |
| Touchscreen:       | <ul style="list-style-type: none"> <li>• Projected capacitive touch</li> <li>• Resistive touch</li> <li>• without touch</li> </ul>          |
| Glas 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                                                                                                                                   |

|                           |                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| I/O-ports:                | 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<br>Display: 1x HDMI, 1x VGA<br>Audio: 1x audio out, 3.5 mm jack<br>Sim Card Slot: Standard SIM (standard without function)<br>WLAN: 1x 802.11 abgn/ac/d/e/i/h/w<br>Bluetooth: 1x Bluetooth 4.0 |
| Expansion slots:          | None                                                                                                                                                                                                                                                                                                                                                                |
| Housing:                  | Die-cast aluminium housing                                                                                                                                                                                                                                                                                                                                          |
| Mounting:                 | VESA 75 x 75, VESA 100 x 100<br>Panel mount                                                                                                                                                                                                                                                                                                                         |
| Protection class:         | IP65 on the front                                                                                                                                                                                                                                                                                                                                                   |
| Dimensions (WxHxD):       | 461,5 mm x 309,4 mm x 68,5 mm                                                                                                                                                                                                                                                                                                                                       |
| Weight:                   | Approx. 5.8 kg                                                                                                                                                                                                                                                                                                                                                      |
| Certification:            | CE, RoHS, FCC, REACH                                                                                                                                                                                                                                                                                                                                                |
| Environmental conditions: | Operation: -10 °C to +60 °C<br>Optional WT: -20 °C to +70 °C<br>High Brightness: 0 to +50<br>Storage: -20 °C to +70 °C<br>95 %, non-condensing                                                                                                                                                                                                                      |
| Operating system:         | Windows® 10 IoT<br>Windows® 11 IoT                                                                                                                                                                                                                                                                                                                                  |
| Options:                  | LTE                                                                                                                                                                                                                                                                                                                                                                 |
| Packing list:             | 1 x device<br>1 x Mounting material                                                                                                                                                                                                                                                                                                                                 |
| Tariff number:            | 8471 41 00                                                                                                                                                                                                                                                                                                                                                          |
| Manufacturer:             | Wachendorff Prozesstechnik GmbH & Co. KG                                                                                                                                                                                                                                                                                                                            |

#### Products Order no.

|              |                                                                                  |
|--------------|----------------------------------------------------------------------------------|
| PPC005-191B2 | 19.1 inch Industrial Panel PC Series-2B2, aluminum housing, Intel Core 12th Gen. |
|--------------|----------------------------------------------------------------------------------|

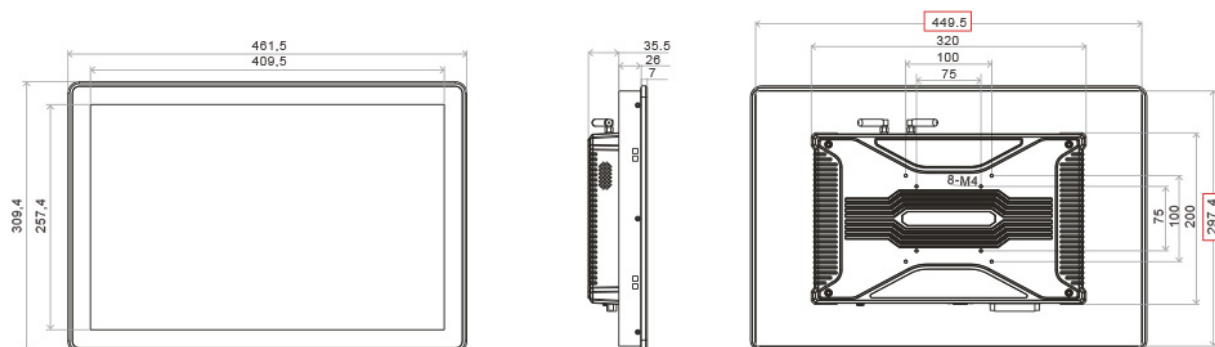
#### Accessories Order no.

|                        |                                                                                                                |
|------------------------|----------------------------------------------------------------------------------------------------------------|
| 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<br>CEE 7/7 to C13 1.5 m                            |
| PPC-Stand_01     | Industrial monitor/display stand, VESA<br>100x100, black                              |
| PPC-Stand_02     | Industrial monitor/display stand, VESA<br>100x100, silver                             |
| PPC-WALL-VESA-01 | VESA wall mount metal, 75 x 75, 100<br>x100, black, including screw<br>accessory pack |

## Drawings

### Dimensions (mm) and STL-Data/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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