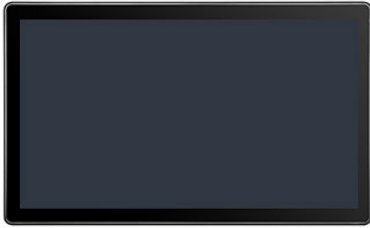


## 21.5 inch Panel PC Series-2B1 Intel® Core™ i3 / i5 / i7 up to 10th Gen.



- 21.5" TFT LCD, 1920 x 1080
- Processor: Intel® Core™ i3 / i5 / i7 up to 10th Gen.
- Die-cast aluminum housing
- Frameless design, IP65 on the front
- Fanless design

<https://www.wachendorff-electronics.comPPC005-215B1>

### 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 Screw terminal: 12 VDC to 36 VDC
Power consumption:	i3 / i5 / i7 of the 6th and 7th gen. max. 95W i3 / i5 / i7 of the 8th and 10th gen. max. 105W
Display:	21.5" TFT LCD
Resolution:	1920 x 1080 pixels
Aspect ratio:	16:9
Brightness:	300 cd/m <sup>2</sup> 1000 cd/m <sup>2</sup> (High Brightness) 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™ i3-6100U (2.3 GHz), Intel® Core™ i5-6200U (2.7 GHz), Intel® Core™ i7-6500U (2.8 GHz), Intel® Core™ i5-7200U (3.1 GHz), Intel® Core™ i7-7500U (3.5 GHz), Intel® Core™ i3-8145U (3.9 GHz), Intel® Core™ i5-8265U (3.9 GHz), Intel® Core™ i7-8565U (4.6 GHz), Intel® Core™ i3-10110U (4.1 GHz), Intel® Core™ i5-10210U (4.2 GHz), Intel® Core™ i7-10510U (4.9 GHz)
RAM:	Max. 32GB DDR4 for Intel® Core™ up to 7th gen. Max. 64GB DDR4 for Intel® Core™ from 8th gen.
SSD/HDD:	Max. 1 TB
Interfaces:	USB: 2 x USB 2.0 type A, 2 x USB 3.0 type A 6-pin screw terminal: 2x RS-232 (up to 12 inches) 12-pin screw terminal: 2x RS-232, 1x RS-485, 3x GPIO (from 15 inches) Ethernet: 2x RJ-45 Gigabit Ethernet, galvanically isolated Display: 1x HDMI, 1x VGA Audio: 1x audio out, 3.5 mm jack Sim Card Slot: Standard SIM (standard without function) WLAN: 1x 802.11 abgn/ac/d/e/i/h/w Bluetooth: 1x Bluetooth 4.0
Expansion slots:	None
Housing:	Die-cast aluminum housing
Assembly:	VESA 75 x 75, VESA 100 x 100 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, Optional WT: -20 °C to +70 °C High Brightness WT: -20 °C to +70 °C High Brightness : 0 °C to +50 °C Storage: -20 °C to +70 °C Up to 95 % r. h., non-condensing
Operating systems:	Windows® 10 IoT Windows® 11 IoT

Options:	LTE -20 °C to +70 °C (optionally customizable)
Scope of delivery:	1 x device 1 x mounting material
Customs tariff number:	8471 41 00
Manufacturer:	Wachendorff Prozesstechnik GmbH & Co. KG

#### Products Order no.

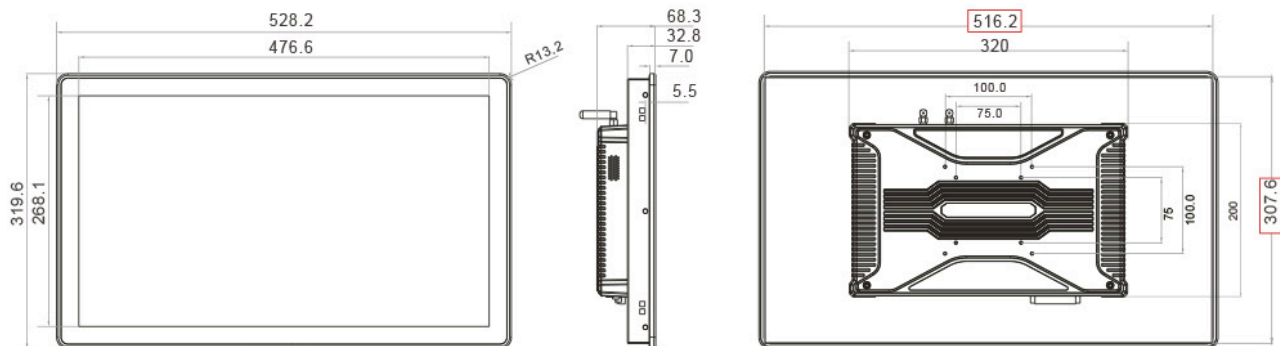
PPC005-215B1	21.5 inch Industrial Panel PC Series-2B1, aluminum housing, Intel Core 6th - 10th Gen.
--------------	---

#### Accessories Order no.

PPC-PWRADAP_02_24VDC4A	External power supply unit for Intel Core 8./10. 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.



Wachendorff Prozesstechnik GmbH & Co. KG  
Industriestrasse 7 • 65366 Geisenheim  
Germany

Phone: +49 (0) 67 22 / 99 65 - 20  
E-Mail: [wp@wachendorff.de](mailto:wp@wachendorff.de)  
[www.wachendorff-prozesstechnik.de](http://www.wachendorff-prozesstechnik.de)

