

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



- 12.0" TFT LCD, 1024 x 768
- Processor: Intel® Core™ i3 / i5 / i7 up to 10th Gen.
- Die-cast aluminum housing
- Frameless design, IP65 front side
- Fanless design

<https://www.wachendorff-electronics.comPPC005-120B1>

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:	12.0" TFT LCD
Resolution:	1024 x 768 pixels
Aspect ratio:	4:3
Brightness:	500 cd/m ² 1000 cd/m ² (High Brightness)
Colors:	16,7 M
Reading angle:	85/85/85/85 (L/R/U/D)
Touch screen:	<ul style="list-style-type: none"> • Projected capacitive touch • Resistive touch • without touch
Glass hardness:	<ul style="list-style-type: none"> • 6H Projected capacitive touch • 3H Resistive touch • 7H without touch

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):	297.97 mm x 236.5 mm x 61 mm
Weight:	approx. 3 kg
Certifications:	CE, RoHS, FCC, REACH
Ambient conditions:	Operation: -10 °C to +60 °C, Optional WT: -20 °C to +70 °C High Brightness: -30 °C to +70 °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.

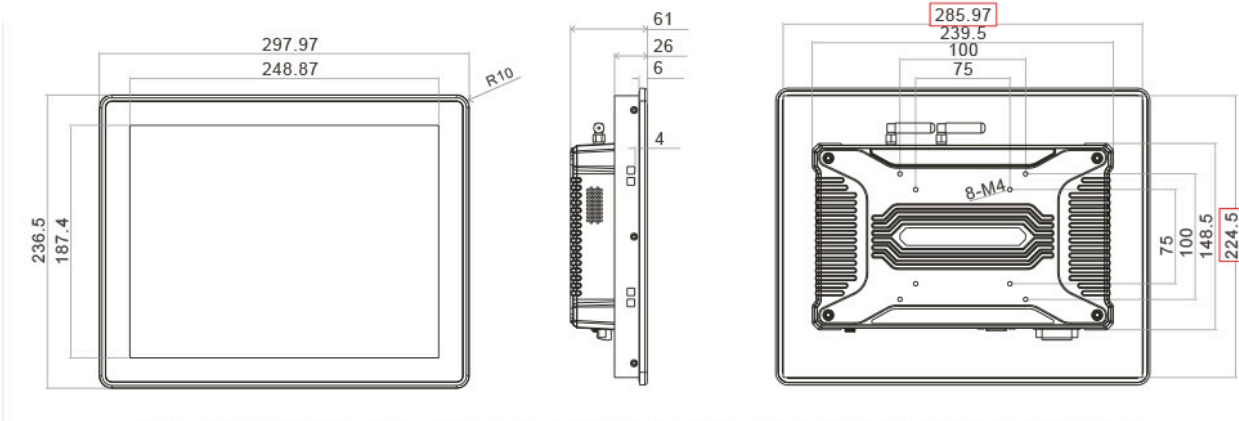
PPC005-120B1	12.0 inch Industrial Panel PC Series-2B1, aluminum housing, Intel Core 6th - 10th Gen.
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Accessories Order no.

PPC-PWRADAP_01_24VDC2.5A	External power supply unit for Celeron und Intel Core 6./7. Gen. Panel-PC, 230VAC to 24VDC with hollow connector and C14 plug
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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