

15.6" Panel-PC Series-1B2

Intel® Core™ i3 / i5 / i7 12th Gen.



- 15.6" TFT-LCD, 1920 x 1080 pixels
- 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/PPC002-156B2>

Description

The WACHENDORFF Series-1 industrial panel PCs are available in display sizes ranging from 10.1" to 23.8" and can be equipped with projected capacitive, resistive or no touch. The projected capacitive touch 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. A variety of different processors are available, from the energy-efficient Intel® Celeron® J4125 to a 10th generation Intel® Core™ i7. Integrate up to 64 GB of RAM to meet the most demanding requirements. The front panels are absolutely flush with the die-cast aluminium housing. The housing is IP65 rated from the front. The unique fanless thermal design of the die-cast aluminium housing enables effective temperature control.

Product-Details

Power supply:	Hollow connector 5.5 x 2.5 mm: 12 VDC to 36 VDC 2 pin connector: 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:	15.6" TFT-LCD
Resolution:	1920 x 1080 pixels
Aspect ratio:	16:9
Brightness:	300 cd/m²
Colours:	16.7 M.
Reading angle:	85/85/85/85 (L/R/U/D)
Touchscreen:	• Projected capacitive touch • Resistive touch • without touch
Glas hardness:	• 6H Projected capacitive touch • 3H Resistive touch • 7H without touch
Processor:	Intel® Core™ i3-1215U (4.4 GHz), Intel® Core™ i5-1235U (4.4 GHz), 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 Serial DB-9: 1x RS-232 12-pin screw terminal: 1x RS-485, 1x RS-232, 5x GPIO 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 aluminium housing
Mounting:	VESA 75 x 75, VESA 100 x 100 Panel mount
Protection class:	IP65 on the front
Dimensions (WxHxD):	420 mm x 269 mm x 70 mm
Weight:	Approx. 3.7 kg
Certification:	CE, RoHS, FCC, REACH
Environmental conditions:	Operation: -10 °C to +60 °C, -20 °C to +70 °C (optionally customizable) Storage: -20 °C to +70 °C 95%, non-condensing
Operating system:	Windows® 10 IoT Windows® 11 IoT
Options:	LTE
Packing list:	1 x device 1 x Mounting material
Tariff number:	8471 41 00
Manufacturer:	Wachendorff Prozesstechnik GmbH & Co. KG

Products Order no.

PPC002-156B	15.6 inch Industrial Panel PC Series-1B, aluminium housing, Intel Core
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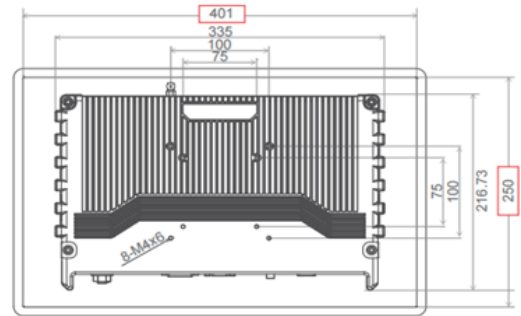
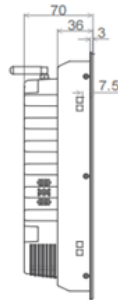
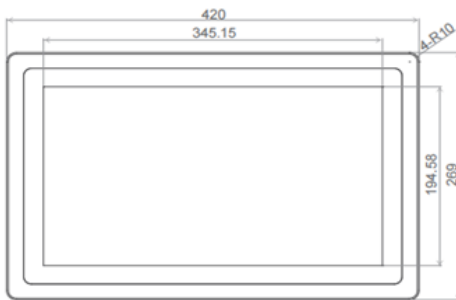
Accessories Order no.

PPC-PWRCRD_01	Mains cable / connection cable E+F CEE 7/7 to C13 1.5 m
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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-PWRADAP_03_24VDC5A	External power supply unit for Intel Core 12. Gen. Panel-PC, 230VAC to 24VDC, hollow connector and C14 Stecker
PPC-WALL-VESA-01	VESA wall mount metal, 75 x 75, 100 x100, black, including screw accessory pack
PPC-Stand_01	Industrial monitor/display stand, VESA 100x100, black
PPC-Stand_02	Industrial monitor/display stand, VESA 100x100, silver

Drawings

Dimensions (mm) and STL-Data/Viewer:





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