12,0" Panel-PC Series-1B
Intel® Core™



- 12,0" TFT-LCD, 1024 x 768 pixels
- Processor: Intel® Core™ i3 / i5 / i7 up to 10th Gen.
- Die-cast aluminium housing
- Flush frame design, IP65 on the front
- Fanless cooling system
- Reading angle H: 160° / V: 160°

Description

The WACHENDORFF Select 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:	12,0" TFT-LCD
Resolution:	1024 x 768 pixels
Aspect ratio:	4:3
Brightness:	500 cd/m²
Colours:	16,7 M
Reading angle:	H: 160° / V: 160°
Touchscreen:	• Projected capacitive touch • Resistive touch • without touch
Glas hardness:	6H, 3H or 7H
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. 16GB for Intel® Core™ up to 7. Gen. Max. 64GB for Intel® Core™ from 8. Gen.
SSD/HDD:	Max. 1 TB
I/O-ports:	USB: 2 x USB 2.0 Typ A, 2 x USB 3.0 Serial: 2x RS-232 DB-9 Ethernet: 2x RJ-45 Gigabit Ethernet WLAN: 1x IEEE 802.11ac Bluetooth: 1x Bluetooth 4.2 Display: 1x HDMI, 1x VGA Audio: 1x Audio out, 3,5 mm jack
Expansion slots:	None
Housing:	Die-cast aluminium housing
Mounting:	VESA 75 x 75, VESA 100 x 101 Panel mount
Protection class:	IP65 on the front
Dimensions (WxHxD):	319 mm x 257 mm x 56,5 mm
Weight:	approx. 2,5 kg
Certification:	CE, RoHS, FCC, REACH
Environmental conditions:	Operation: -10 °C to + 65 °C, 10 % to 80 %.rF Storage: -20 °C to +70 °C, 10 % to 90 %.rF
Operating system:	Windows® 10 IoT Windows® 11 IoT Linux
Options:	LTE
Packing list:	1 x device 1 x Mounting material
Tariff number:	84715000
Manufacturer:	Wachendorff Prozesstechnik

Order-No. Product

PPC002-120B	12,0" Industrial Panel PC, Intel® Core™

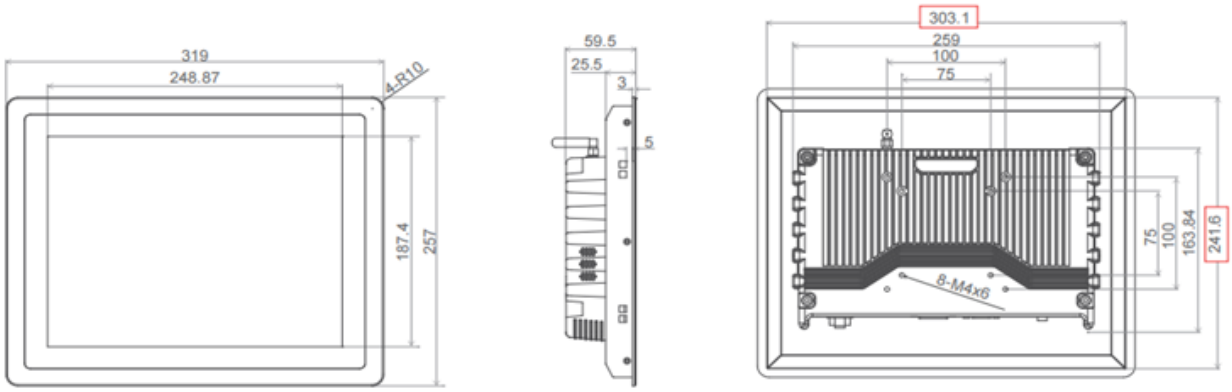
Order-No. Accessories

360017000012	Power cord for ext. power supply

BZ.36.010.2000059	External power supply, 230 VAC to 12 VDC, 12V5A, CPU J1900 / J4125 /I3-6th / I5-6th /I 5-7th
BZ.36.010.2000057	External power supply, 230 VAC to 12 VDC, 19V4,7A, CPU I3-8th / I3-10th / I5-8th / I5-10th / I7-8th / I7-10th
BZ.36.010.2000025	External power supply, 230 VAC to 12 VDC, 12V7A, CPU I7-6th / I7-7th

Drawings

Dimensions (mm) and STL-Data/Viewer:



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