

21.5 inch Panel PC | Series 1: ultra-flat Intel® Celeron® J6412 | brushed aluminum front



- 21.5" TFT LCD, 1920 x 1080 pixels
- Processor: Intel® Celeron® J6412
- Die-cast aluminum housing
- Flush frame design, IP65 front side
- Fanless cooling system

<https://www.wachendorff-prozesstechnik.de/en/PPC002-215A2>

Description

WACHENDORFF Series-1 Panel PC

The WACHENDORFF Series-1 industrial panel PCs are available in display sizes ranging from 10" 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. You can choose from a variety of different processors, 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 aluminum housing. The housing is IP65 rated. 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 2 pin connector: 12 VDC to 36 VDC
Power consumption:	Standby: 28.50 W Full load at base clock: 37.74 W
Display:	21.5" TFT LCD
Resolution:	1920 x 1080 pixels
Aspect ratio:	16:9
Brightness:	300 cd/m ² 1000 cd/m ² (High Brightness) 800 cd/m ² (High Brightness WT)
Colors:	16,7 M
Reading angle:	89/89/89/89 (L/R/U/D)
Touch screen:	• Projected capacitive touch • Resistive touch • without touch
Glass hardness:	• 6H Projected capacitive touch • 3H Resistive touch • 7H without touch
Processor:	Intel® Celeron® J6412 (2.60 GHz)
RAM:	Max. 16 GB DDR4
SSD/HDD:	Max. 1 TB Standard: mSATA Optional: M.2 NVMe

Interfaces:	USB: 2 x USB 3.0 type A, 2 x USB 2.0 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 in/out, 3.5 mm jack Sim Card Slot: Standard SIM (without function as standard) 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):	557 mm x 345 mm x 63 mm
Weight:	approx. 6.0 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 LTSC Windows® 11 IoT LTSC
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.

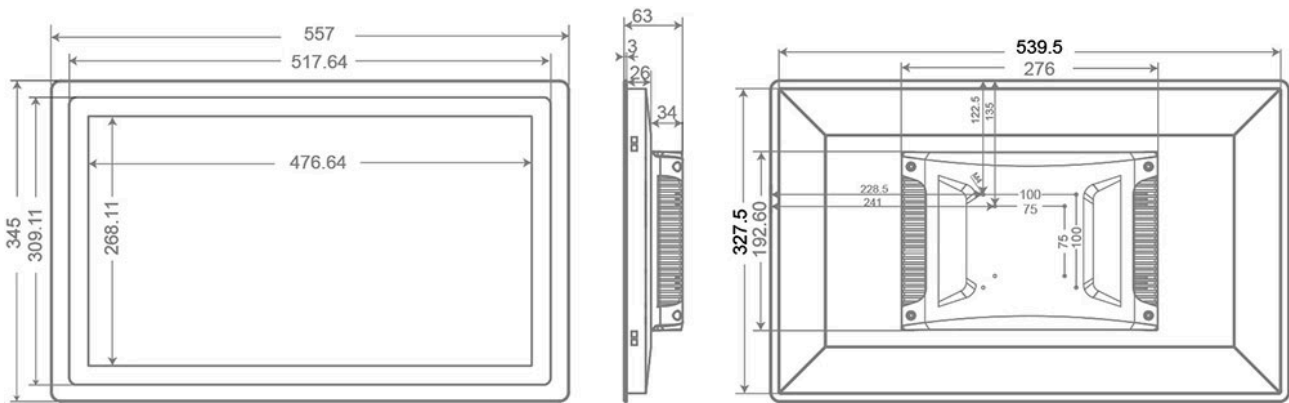
PPC002-215A	21.5 inch Industrial Panel PC Series-1A, aluminium housing, Intel Celeron
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Accessories Order no.

PPC-PWRCRD_01	Mains cable / connection cable E+F CEE 7/7 to C13 1.5 m
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-WALL-VESA-01	VESA wall mount metal, 75 x 75, 100 x100, black, including screw accessory pack
ETHSWG5C	5-way Ethernet switch, Gigabit, unmanaged
ETHSWG8C1	8-port Ethernet switch, Gigabit, unmanaged
KABETH10	Patch cable, RJ45 UTP CCA, CAT5e white, 0.3 m
KABETH11	Patch cable, RJ45 UTP CCA, CAT5e white, 1 m
KABETH12	Patch cable, RJ45 UTP CCA, CAT5e white, 2 m
PPC-Stand_01	Industrial monitor/display stand, VESA 100x100, black
PPC-Stand_02	Industrial monitor/display stand, VESA 100x100, silver
WLANANT20	Magnetic base antenna with SMA-R connector 2.4 GHz@2 dBi with 1.8 m cable
WLANANT22	Antenna with screw mounting and SMA-R connector 2.4 GHz@2 dBi, 2 m cable
WLANANT55	Magnetic base antenna with RP-SMA connector 2.4 GHz@5 dBi with 1.8 m cable

Drawings

Dimensions (mm) and STL file/viewer:





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