

WACHENDORFF IPC

**Panel-PC & WebPanel
Box-PC & Displays**

WACHENDORFF
Prozesstechnik GmbH & Co. KG

WACHENDORFF IPC

YOUR partner for industrial communication and visualisation

First-class products developed for (series) use in demanding industrial environments: That is our strength! This brochure provides you with a comprehensive overview of the outstanding features and benefits of our Wachendorff industrial PC.

Our IPC devices always offer the best performance and high reliability at competitive prices and give you a decisive advantage in the market!

Our services - **your** benefits

- ✓ Long-term availability
- ✓ Flexible delivery concept
- ✓ Short delivery times
- ✓ Very good price-performance ratio
- ✓ Top performance and reliability
- ✓ 3 years guarantee

Our IPCs can be specially adapted and customised to your requirements. This gives you enormous advantages over the competition:

- Strong customer loyalty
- Better pricing options
- Great scalability
- High flexibility



Our series tailored to your needs

Series 1 and 2 are available both as either a flexible WebPanel, a powerful Panel-PC or as a pure display. Our Panel-PCs are also divided into A and B variants with different processor classes. This means you will always find the right product for your individual application.

Series 1

Ultra-slim design, brushed aluminium front

Series 1 offers a comprehensive and simple visualisation solution for a wide range of applications with display sizes from 10.1" to 23.8". The die-cast aluminium housing is primarily designed for panel mounting. With the very thin front design of only 3 mm and the brushed aluminium frame, this series is a very attractive solution. Customised adaptations for your individual requirements guarantee your success.



- 3 mm flat front frame
- Screen Sizes from 10.1" to 23.8"
- Embedded seamless front panel
- Various mounting options
- Optional laser engraving of your logo in the frame

Series 2

Minimal display edge, attractive design


Series 2 offers seamless and frameless integration into your machine concept with display sizes from 10.1" to 21.5". It has been specially developed for demanding industrial applications and has a robust aluminium housing with increased vibration resistance. The almost frameless design with the 7 mm high frame ensures an aesthetically pleasing design with maximum screen size in relation to the housing.



- 7 mm high frame with minimal display edge
- Screen Sizes from 10.1" to 21.5"
- Maximum screen size
- Developed for demanding industrial applications
- Optional customised screen printlogo


 IP65 for industrial applications

 Fanless design, optimum heat dissipation

 Robust design: strong protection for demanding applications

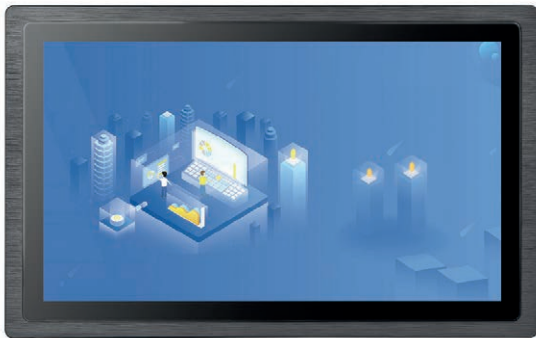
 Capacitive, resistive or without touch

 Extensive interfaces

 Aluminium housing: Anti-corrosion and anti-shock

Panel-PC Series 1 aesthetic, customisable design

Intel Celeron to Intel Core i7 10th Generation



By integrating the PC and display unit in one housing, you save space and the installation of your IPC solution is greatly simplified. The Series 1 Panel-PC is available with a projected capacitive, resistive or even without a touch display. In addition to the latest Windows operating systems, various Linux OS are also available. We rely on fast and robust SSD technology for the hard drive.



10.1" to 23.8"



Die-cast aluminium housing



Fanless, compact and robust: IP65



-10 °C up to +60 °C



Many interfaces:

Wifi, Bluetooth, GB Ethernet, etc.

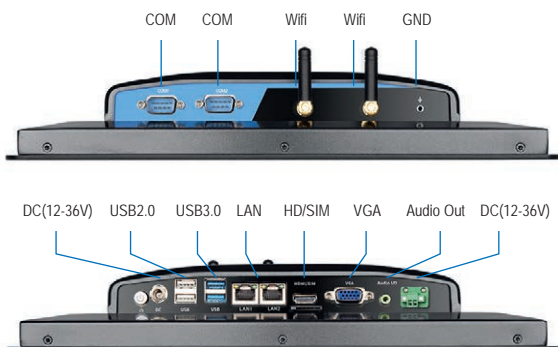
The Panel-PC, the primary user interface and face of your machine or system:

Design and user-friendliness make all the difference!

- Intuitive operation via touchscreen
- Seamless integration into your applications
- 3 mm flat brushed aluminium front panel
- Customisable, e.g. individual logo
- Various mounting options

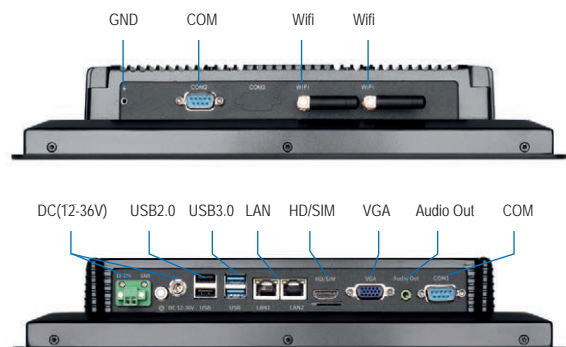
A Basic

- Intel Celeron J1900 or J4125 Quad-Core
- 4 or 8 GB RAM
- Up to 512 GB SSD



B Performance

- Intel Core i processors up to 10 gen.
- 4 to 64 GB RAM
- Up to 1 TB SSD

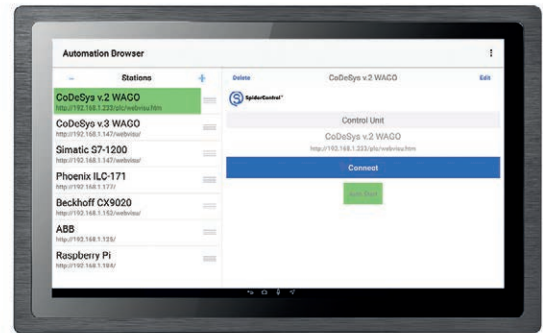


WebPanel Series 1 quick and easy to integrate

HTML5, AutomationBrowser, Linux, Android

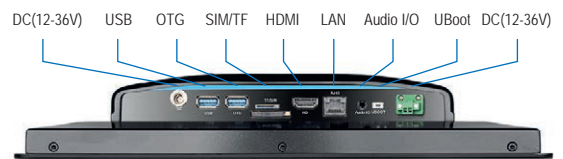
The Wachendorff WebPanel Series 1 offers a brilliant display for machine and plant construction without any delay in image build-up. With IP65 on the front, Wifi, Bluetooth and various display sizes from 7" to 23.8", with the option of a touch screen, they are versatile in use.

The choice between Linux and Android means you are platform-independent. The automation browser from Ininet, which is customised for industry, gives you the decisive advantage.



The optional pre-installed AutomationBrowser on the WebPanel can be used flexibly and offers enormous advantages:

- Compatible with older Java applets
- PLC station lists for navigation
- Single Sign On (SSO)
- Collective alarm
- Cloud connectivity
- Simple PLC logic in the browser



7" to 23.8", with and without touch



HTML5: fast response and image composition



Aluminium housing, IP65, flush-mounted design



Brilliant display, wide reading angle



Always connected: Integrated WiFi, Bluetooth



Versatile and easy to integrate



Panel-PC Series 2 robust solution for your application

Intel Celeron to Intel Core i7 10th Generation



Frameless Panel-PCs offer a clear advantage when it comes to aesthetics and saving space. By using them, you offer your customers a seamless user experience, your system looks more sophisticated and you save space. This is a clear advantage, especially for environments with limited space. Thanks to their robust design, they are particularly useful where environmental conditions are important. In addition to the latest operating systems, SSD technology is also used.



10.1" to 21.5"



Die-cast aluminium housing



Fanless, compact and robust: IP65



-10 °C up to +60 °C



Many interfaces:

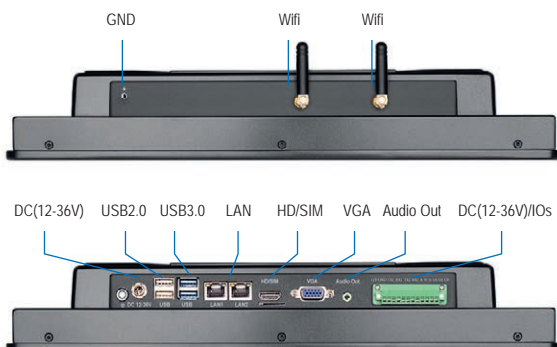
Wifi, GB Eth., COM, etc.

The Panel-PC that connects seamlessly with your machine: A fluid visual experience by presenting your content without distracting frames!

- 7 mm high frame
- Very narrow rim, elegant aesthetics
- Developed for robust industrial applications
- Very large variety
- Optional: customer logo can be integrated

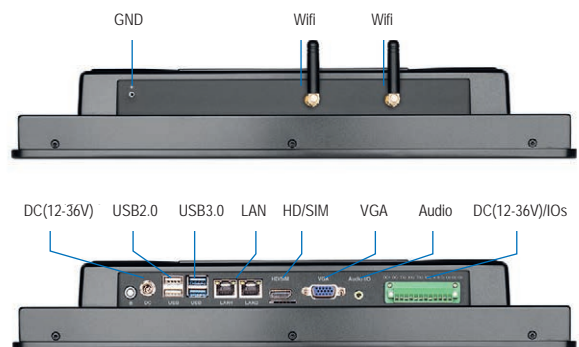
A Basic

- Intel Celeron J1900 or J4125 Quad-Core
- 4 or 8 GB RAM
- Up to 512 GB SSD



B Performance

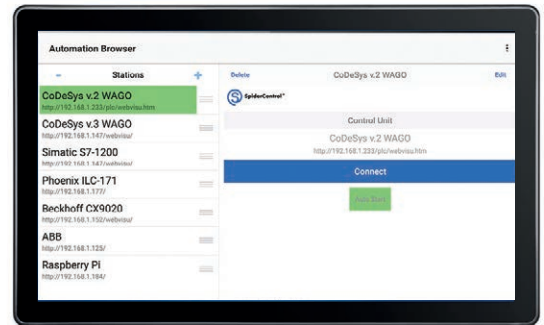
- Intel Core i3 6th Gen. to Core i7 10th Gen.
- 4 to 64 GB RAM
- Up to 1 TB SSD



WebPanel Series 2 flexible, seamless integration

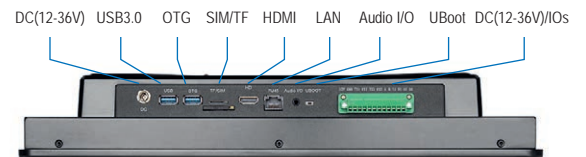
HTML5, AutomationBrowser, Linux, Android

A robust WebPanel variant for use in demanding environments with an increased emphasis on aesthetics and maximum saving space. Thanks to the brilliant display and very fast response, the user experience is unbeatable. With IP65, Wifi, Bluetooth and various display sizes from 10.1" to 21.5", optionally with or without touch, they are versatile in use. With Linux and Android as options, they are platform-independent and the AutomationBrowser, which is customised for the industry, provides the decisive advantage.



The optional pre-installed AutomationBrowser on the WebPanel can be used flexibly and offers enormous advantages:

- Compatible with older Java applets
- PLC station lists for navigation
- Single Sign On (SSO)
- Collective alarm
- Cloud connectivity
- Simple PLC logic in the browser,



10.1" to 21.5", with or without touch



HTML5: fast response and image build-up



Aluminium housing, IP65, flush-mounted design



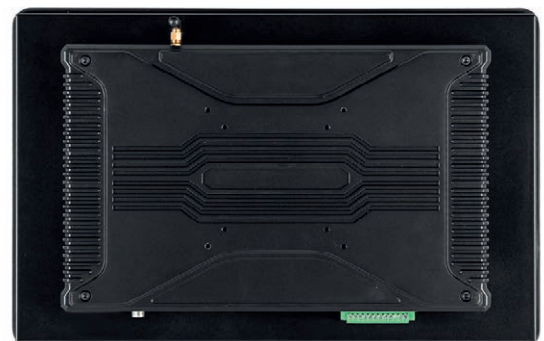
Brilliant display, wide reading angle



Always connected: Integrated WiFi, Bluetooth, COM



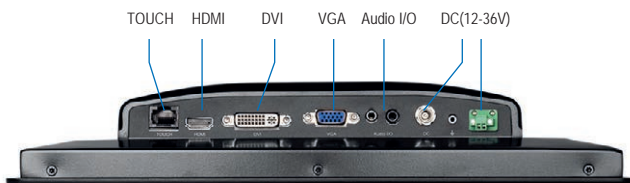
Versatile and easy to integrate



Box-PC & displays individually or as an ideal addition

Display Series 1 from 10.1" to 23.8"

- 3 mm flat front frame
- Die-cast aluminium housing developed for industry
- Industrial displays with IP65 front
- Brilliant presentation
- Wide reading angle
- Capacitive, resistive or without touch



Box-PC compact, fanless, 24h/7 stable performance

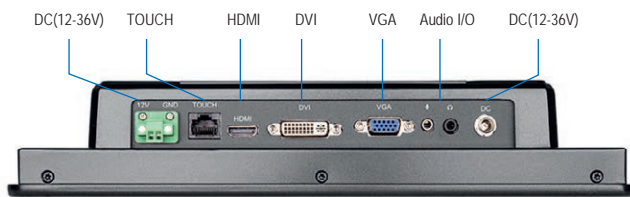
Developed for intelligent automation applications, such as edge computing, this robust X86-Box-PC is available with processors ranging from Intel Celeron to Intel Core i7. It offers up to 64 GB RAM and various interfaces such as 6x COM, 6x USB, Wifi and Bluetooth. The industrial design made of aluminium, with optimum construction for heat dissipation, ensures reliable operation. Even under high load, with low power consumption at the same time.

Displays as a supplement to Box-PC


In combination with our Box-PC, displays offer an interface to the machine that is detached from the actual computing unit. This allows the Box-PC to be positioned centrally and the displays to be positioned directly at the operator.

Display Series 2 from 10.1" to 21.5"


- 7 mm high frame with minimal display edge
- Robust aluminium housing
- Industrial displays with IP65 front
- Vivid 16.7 million colours
- Wide reading angle
- Capacitive, resistive or without touch



Box-PC from Intel Celeron to Intel Core i7

 Fanless and compact

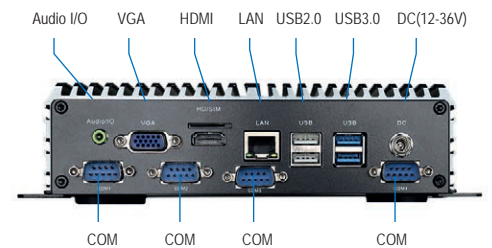
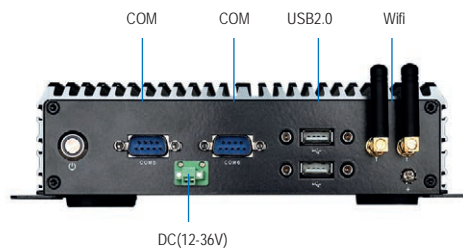
 6x COM, 6x USB, Wifi, Bluetooth

 4 up to 64 GB RAM

 HDMI, VGA, audio, etc.

 Intel Celeron up to Intel Core i7

 Operating temperature -10 °C up to +60 °C



Overview table

Panel-PC	Series-1A	Series-2A	Series-1B	Series-2B
Article code	PPC002-xxx	PPC005-xxx	PPC002-xxx	PPC005-xxx
Frame thickness	3 mm	7 mm	3 mm	7 mm
Display diagonal	10.1", 10.4", 11.6", 12.0", 12.1", 13.3", 15.0", 15.6", 17.0", 17.3", 18.5", 19.0", 19.1", 21.5", 23.8"	10.1", 10.4", 11.6", 12.0", 15.0", 15.6", 17.0", 17.3", 19.0", 19.1", 21.5"	10.1", 10.4", 11.6", 12.0", 12.1", 13.3", 15.0", 15.6", 17.0", 17.3", 18.5", 19.0", 19.1", 21.5", 23.8"	10.1", 10.4", 11.6", 12.0", 15.0", 15.6", 17.0", 17.3", 19.0", 19.1", 21.5"
Processor	Intel Celeron J1900, Intel Celeron J4125		Intel Core i3 (6th, 8th, 10th Gen.), Intel Core i5 (6th, 7th, 8th, 10th Gen.), Intel Core i7 (6th, 7th, 8th, 10th Gen.)	
RAM	4, 8 GB		4, 8, 16, 32, 64 GB	
SSD/HDD	64, 128, 256, 512, 1000 GB			
Wifi	Yes			
Bluetooth	optional			
Operating system	Win 11, Win 10, Linux, Ubuntu, Debian			

WebPanel	Series-1	Series-2
Article code	WPC002-xxx	WPC005-xxx
Frame thickness	3 mm	7 mm
Display diagonal	7.0", 10.1", 10.4", 11.6", 12.0", 12.1", 13.3", 15.0", 15.6", 17.0", 17.3", 18.5", 19.0", 19.1", 21.5", 23.8"	10.1", 10.4", 11.6", 12.0", 15.0", 15.6", 17.0", 17.3", 19.0", 19.1", 21.5"
Processor	RK3399 Six Core 64 bit, 1,8 GHz	
RAM	4 GB	
SSD/HDD	64 GB eMMC	
Wifi	Yes	
Bluetooth	Yes	
Operating system	Android, Linux, Ubuntu, Debian	
Automation Browser	optional	

Displays	Series-1	Series-2
Article code	DPL002-xxx	DPL005-xxx
Frame thickness	3 mm	7 mm
Display diagonal	10.1", 10.4", 11.6", 12.0", 12.1", 13.3", 15.0", 15.6", 17.0", 17.3", 18.5", 19.0", 19.1", 21.5", 23.8"	10.1", 10.4", 11.6", 12.0", 15.0", 15.6", 17.0", 17.3", 19.0", 19.1", 21.5"
Interfaces	DC port, HDMI, VGA, DVI	
Touch interfaces	RJ45 (USB protocol)	

Basic parameters of all Panel-PCs, WebPanels, displays	
Integrated graphics	Intel HD Graphics
Wifi	Dual band 2.4G & 5G
Touch screen	Projected-capacitive: Touch points: 10-points, light transmission: 88% Resistive: Touch points: 1-point, light transmission: 78% Without touch: Touch points: - , Light transmission: >92%
Headphone connection	3.5 mm
Housing	Die-cast aluminium
Protection class	Front: IP65
Power supply	12 to 36 VDC
Operating temperature	-10 °C to 60 °C
Storage temperature	-20 °C to 70 °C
Assembly	Panel mount, VESA mount

Box-PC	
Article code	BPC002-xxx
Processor	Intel Celeron J1900 Quad Core 1.99 GHz, Intel Celeron J4125 Quad Core 2.0 GHz, Intel Core i3, i5, i7 (6th, 10th, 12th Gen.)
RAM	2, 4, 8, 16, 32, 64 GB
SSD/HDD	64, 128, 256, 512 GB
Wifi	Yes
Bluetooth	optional
Operating system	Win 10, Linux, Ubuntu, Debian
Power supply	12 to 36 VDC
Operating temperature	-10 °C to 60 °C
Storage temperature	-20 °C to 70 °C
Assembly	Rack mount, desktop mount

Customisations and accessories

Everything you need from a single source

Accessories are an essential addition to a product that make the final use of your IPC possible. Due to the wide variety of applications, customised solutions are increasingly being used alongside standard accessories. Together with our partners, we have specialised in meeting these requirements efficiently for you.

By selecting the appropriate accessories, Panel-PCs, web panels, Box-PCs and displays can be customised to the requirements and operating environments, to ensure optimum user-friendliness.

We offer you:

- Frame colour as desired
- Company logos as print or engraving
- OS settings and driver customisations
- Customised software
- Various other options such as:
High brightness, optical bonding, etc.



Series 1

Customised laser or screen print logo



Series 2

Customised printed logo behind the glass



THE partner for YOUR projects since 1978

We provide solutions for intelligent communication, visualisation and operation of industrial machines and complex systems and increase their productivity.

WACHENDORFF

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