WAGO Touch Panels 600

An Aesthetic Design Meets High Performance

The Touch Panels' Added Value

High Performance
Fast operating speed thanks to parallel execution of computing operations with Cortex A9 Multicore processor.

Openness
High-performance WAGO hardware combined with the future-proof Linux® operating system; for complex tasks, you can choose between programming in IEC 61131 or directly under Linux®.

e!COCKPIT
The ***e!COCKPIT*** Engineering Software, which is based on CODESYS V3, is used for visualization, programming, offline simulation, fieldbus configuration, recipe management and much more.

Flexible Interface Options
Different variants are available with the appropriate interface for the job.

IoT-ready
Using a dedicated library, WAGO's Control Panels become IoT touch controllers that send data from the field level to the cloud.

Cybersecurity
The SSH and SSL/TLS encryption methods are integrated by default for establishing secure HTTPS and FTPS connections.
A firewall provides additional protection against unwanted access.

HTML 5 Visualization
Standardized state-of-the-art technology allows the visualization to be displayed on mobile devices like smartphones and tablets.

Maintenance-Free
The touch panel has no fan or battery, making it completely maintenance-free.

Multi-Touch Capability
Devices with capacitive touchscreens allow gesture recognition, e.g., swipe gestures for turning pages or zooming.

Docker Container
The Control Panel supports Docker containers, providing the ability to run applications in parallel with your logic and visualizations.

Quick Mounting
WAGO's Touch Panel directly latches onto the control cabinet via mounting clips for fast and easy tool-free installation.

Convenient Operation
Sensors can automatically adjust the panel's brightness based on a room's ambient lighting. The front-mounted screen setting buttons simplify making adjustments.

Energy Efficiency
An integrated proximity sensor allows the visualization to be automatically re-displayed from the energy-saving standby function with screensaver.
An integrated sensor simultaneously detects ambient lighting levels for brightness control.

Non-Reflective
The black front plate on the marine devices absorbs incident light and prevents reflections.

High Protection Class
Thanks to custom-developed clamps, the front of the display meets lofty IP65 protection standards. This flexible design makes the panel extremely versatile and suitable for a wide variety of applications.

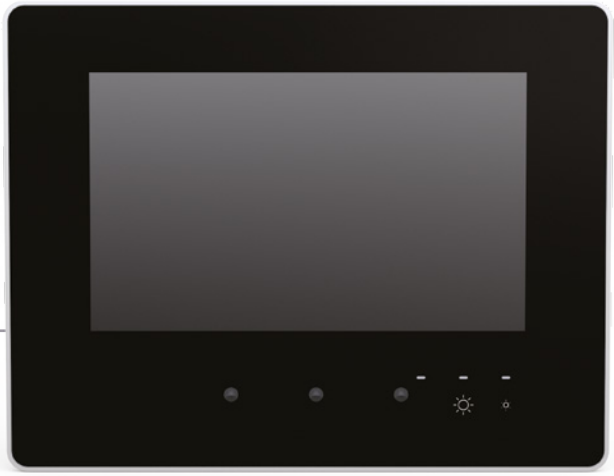
Three Product Families

Standard Line

Devices with resistive touch screens for standard control cabinet applications

Marine Line

Devices with matte black anti-reflection surfaces and special marine approvals for use in shipboard automation



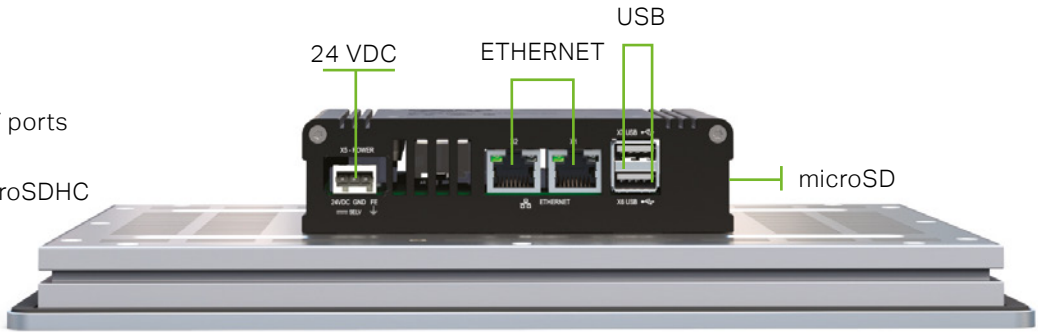
Advanced Line

Capacitive multi-touch devices with glass surfaces, along with greater mechanical and chemical resistance for more extensive requirements

Three Hardware Configurations

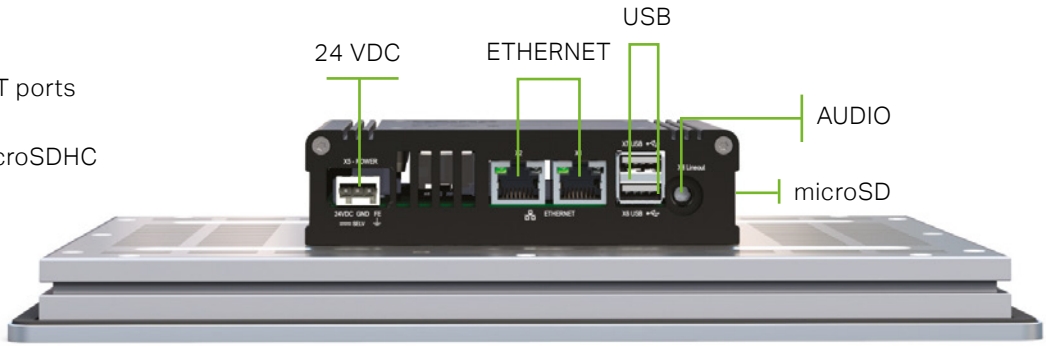
Hardware Configuration PI01

- 2 configurable ETHERNET ports
- 2 2.0 USB hosts
- microSD (max. 2 GB) / microSDHC (max. 32 GB)
- Optimally suited as Web Panel



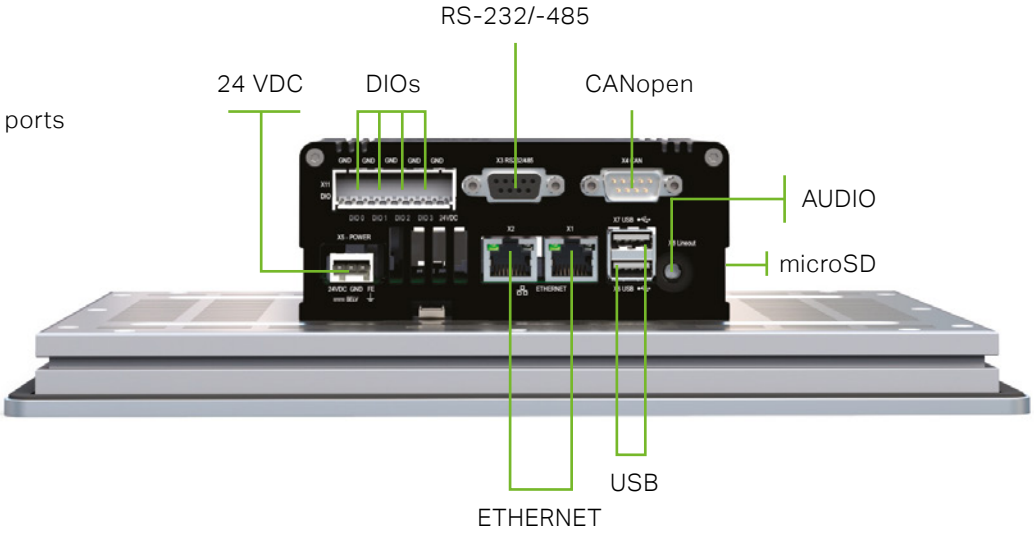
Hardware Configuration PI02

- 2 configurable ETHERNET ports
- 2 2.0 USB hosts
- microSD (max. 2 GB) / microSDHC (max. 32 GB)
- Audio
- Optimally suited as Visu Panel



Hardware Configuration PI03

- 2 configurable ETHERNET ports
- 2 2.0 USB hosts
- RS-232/-485
- 4 digital inputs/outputs (configurable)
- CANopen
- microSD (max. 2 GB) / microSDHC (max. 32 GB)
- Audio
- Retain Memory
- Optimally suited as Control Panel



Three Function Classes

Operate, observe, visualize and diagnose in the production, process and marine industries: WAGO's Touch Panels with various hardware configurations are available for small- to mid-sized control and visualization tasks. Underneath a contemporary design, our Touch Panels pack some of the industry's most powerful technology, allowing you to solidify the high-tech image of your machines through high-quality and high-performance visualizations. Furthermore, scaled functionality is available; besides various functional divisions of the visualization, there's bandwidth for additional operations such as the execution of a control function or support for additional fieldbus systems.
The right version with various interface configurations is available for every application.

Web Panel
Operate the PLC Webserver from WAGO through a stylish operator interface.

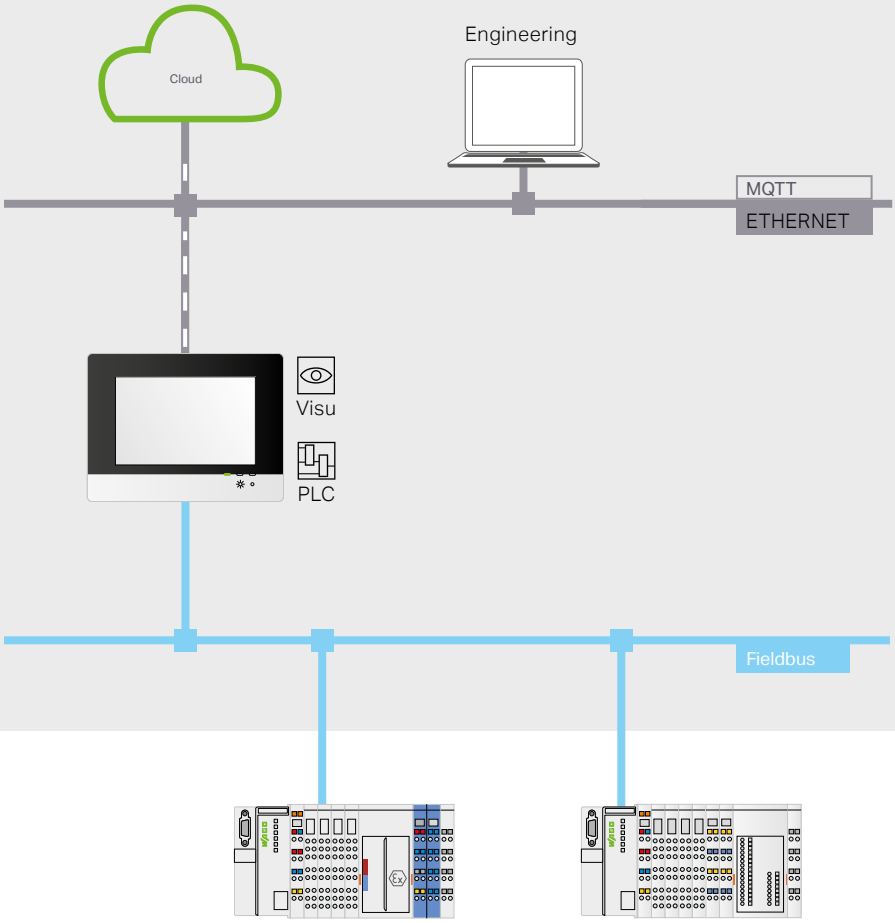
Visu Panel
Share the control load between the PLC and operator interface.

Control Panel
Get an HMI and PLC in one device – a high-performance controller with high-quality graphic resolutions.

Control Panel

Control Panels combine the features of a PLC and HMI into a single device, providing a compact footprint for your automation system. WAGO's ***e!COCKPIT*** software is used to develop both the control logic as well as the visualizations, optimizing system development. Leveraging the power of the Touch Panel's quad core processor, the Control Panel is well equipped to offer high-performance control, as well as impeccable graphic resolution. The integrated webserver extends the HTML5 web visualizations to other devices. Take advantage of the controllers' Linux® operating system via Docker containers to run applications in parallel with your PLC code.
Your IIoT needs are met with the Control Panel's support of MQTT and OPC UA protocols. Easily connect your plant floor data to your preferred cloud service. Security is offered via TLS encryption plus an onboard firewall and VPN. Multiple onboard fieldbus ports support Modbus TCP, CANopen, and Ethernet/IP (adapter) protocols. An onboard configurable serial port (RS-232/-485) can be used to connect to additional field devices. Use the Control Panel as your gateway between these fieldbuses. In addition, the four configurable onboard digital I/O points provide direct input into the controller and can be conveniently wired to commonly used devices.

Additional functions, including special fieldbuses, can be added as needed with the appropriate license.



Your benefits:

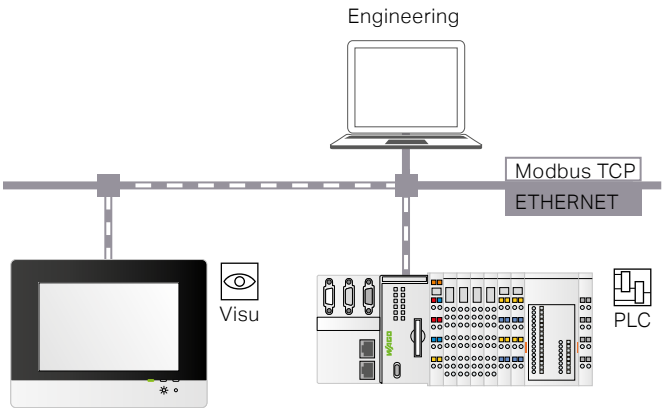
- Control and visualization in one device
- Supports Docker containers
- Web and Visu Panel functionality integrated
- Supported fieldbus protocols: Modbus TCP, CANopen, ETHERNET/IP adapter
- Optional EtherCAT® Master
- IoT-ready (MQTT) and OPC UA

Your benefits:

- Visualization of fieldbus data
- Offloads the controller
- Supplementary visualization via integrated Webserver
- Integrated Web panel functionality

Visu Panel

When greater performance is required, devices are used as Visu Panels.
Visu Panels are suitable for displaying a visualization generated with ***e!COCKPIT*** and obtaining the data referenced in it from any field device via Modbus TCP, e.g., from type PFC200 Controllers.
In contrast to Web Panels, the computing power required here is divided between two devices, so the computing necessary for displaying the visualization is basically performed by the Visu Panel, offloading the controller. In the process, all operating functions are evaluated within the device without delay and can affect the visualization directly. These panels can also provide a Web visualization via the integrated Webserver.
Devices configured as Visu Panel on the factory side can be upgraded to Control Panel by installing an additional license.

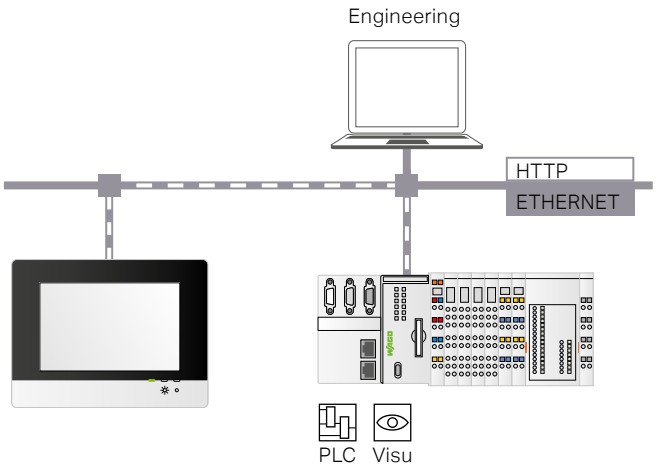


Your benefits:

- Web-based visualization based on open standards like HTML5
- High-quality automation solutions combined with WAGO Controllers PFC100 and PFC200

Web Panel

An industrial web browser with high-resolution graphics and touch screen, optimized to display web pages hosted from the PFC100 and PFC200 Controllers with onboard webservers. Web visualizations that are created with ***e!COCKPIT*** (CODESYS V3) software and are based on state-of-the-art HTML5 technology.
The visualizations are stored and hosted by the PFC controllers and can be used to monitor and control equipment via an elegant touch screen interface.
Users can take advantage of the HTML5 technology by displaying the same visualizations on other standard commercial mobile devices like tablets or smartphones.

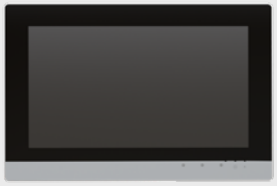
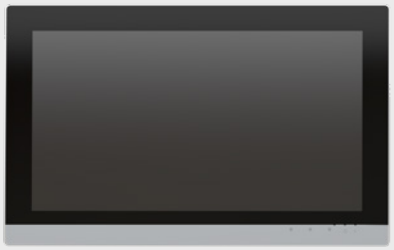


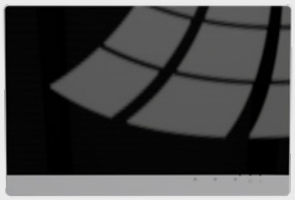
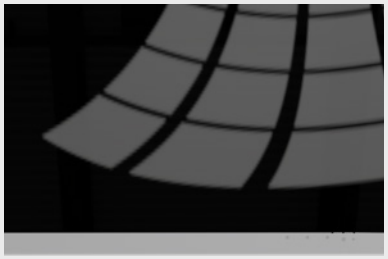
WAGO Touch Panels 600

Versions, Hardware Configuration and Functions

STANDARD LINE; Single-Touch				
Item number				
Size (cm/inch)	10.9 cm (4.3")	14.5 cm (5.7")	18 cm (7.0")	
Hardware configuration PIO1; Web Panel	762-4101 TP600 4.3 480x272 PIO1 WP	762-4102 TP600 5.7 640x480 PIO1 WP	762-4103 TP600 7.0 800x480 PIO1 WP	
Hardware configuration PIO2 Visu Panel	762-4201/8000-0001 TP600 4.3 480x272 PIO2 VP	762-4202/8000-0001 TP600 5.7 640x480 PIO2 VP	762-4203/8000-0001 TP600 7.0 800x480 PIO2 VP	
Hardware configuration PIO3; Control Panel	762-4301/8000-0002 TP600 4.3 480x272 PIO3 CP	762-4302/8000-0002 TP600 5.7 640x480 PIO3 CP	762-4303/8000-0002 TP600 7.0 800x480 PIO3 CP	

MARINE LINE; Single-Touch					
Item number					
Size (cm/inch)	10.9 cm (4.3")	14.5 cm (5.7")	18 cm (7.0")	25.7 cm (10.1")	
Hardware configuration PIO2 Visu Panel	762-6201/8000-0001 TP600 4.3 480x272 PIO2 VP	762-6202/8000-0001 TP600 5.7 640x480 PIO2 VP	762-6203/8000-0001 TP600 7.0 800x480 PIO2 VP	762-6204/8000-0001 TP600 10.1 1280x800 PIO2 VP	
Hardwareausstattung PIO3 Control Panel	762-6301/8000-0002 TP600 4.3 480x272 PIO3 CP	762-6302/8000-0002 TP600 5.7 640x480 PIO3 CP	762-6303/8000-0002 TP600 7.0 800x480 PIO3 CP	762-6304/8000-0002 TP600 10.1 1280x800 PIO3 CP	

			
	25.7 cm (10.1″)	**39.6 cm (15.6″)**	**54.6 cm (21.5″)**
	762-4104 TP600 10.1 1280x800 PIO1 WP		
	762-4204/8000-0001 TP600 10.1 1280x800 PIO2 VP	762-4205/8000-0001 TP600 15.6 1920x1080 PIO2 VP	762-4206//8000-0001 TP600 21.5 1920x1080 PIO2 VP
	762-4304/8000-0002 TP600 10.1 1280x800 PIO3 CP	762-4305/8000-0002 TP600 15.6 1920x1080 PIO2 CP	762-4306/8000-0002 TP600 21.5 1920x1080 PIO2 CP

	ADVANCED LINE; Multi-Touch			
				
	18 cm (7.0″)	25.7 cm (10.1″)	39.6 cm (15.6″)	54.6 cm (21.5″)
	762-5203/8000-0001 TP600 7.0 800x480 PIO2 VP	762-5204/8000-0001 TP600 10.1 1280x800 PIO2 VP	762-5205/8000-0001 TP600 15.6 1920x1080 PIO2 VP	762-5206/8000-0001 TP600 21.5 1920x1080 PIO2 VP
	762-5303/8000-0002 TP600 7.0 800x480 PIO3 CP	762-5304/8000-0002 TP600 10.1 1280x800 PIO3 CP	762-5305/8000-0002 TP600 15.6 1920x1080 PIO3 CP	762-5306/8000-0002 TP600 21.5 1920x1080 PIO3 CP

Additional Licenses		
***e!RUNTIME*; PLC 600; single license**	2759-216/210-1000	Upgrading Visu Panel to Control Panel
***e!RUNTIME*; EtherCAT® Master 600; single license**	2759-266/210-1000	Adding an EtherCAT® Master to a Control Panel

More information is available at: **www.wago.com/touch-panel**

CODESYS e!COCKPIT docker IPSec Modbus

WAGO Kontakttechnik GmbH & Co. KG
Postfach 2880 · 32385 Minden
Hansastraße 27 · D-32423 Minden
info@wago.com
www.wago.com

Headquarters	+49 (0) 571/887 - 0
Sales	+49 (0) 571/ 887 - 44 222
Orders	+49 (0) 571/ 887 - 44 333
Fax	+49 (0) 571/887 - 844 169

0888-0457/0201-6901 TOUCH PANEL BROCHURE 2.1 US – MM-2260 – 10/2019 – Printed in Germany – Subject to changes