

Data sheet | Item number: 762-5304/8000-002

Touch Panel 600; 25.7 cm (10.1"); 1280 x 800 pixels; 2 x ETHERNET, 2 x USB, CAN, DI/DO, RS-232/485, Audio; Control Panel

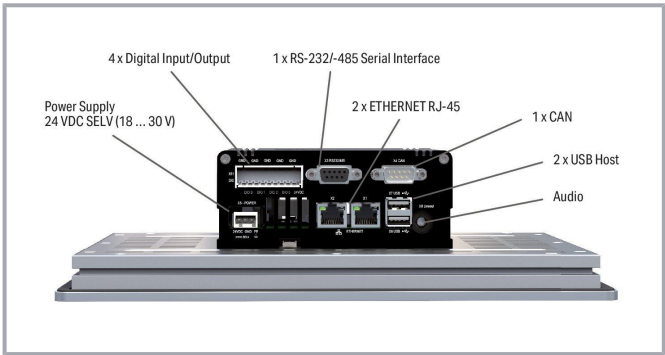


[www.wago.com/762-5304/8000-002](http://www.wago.com/762-5304/8000-002)



Touch Panels 600 Communication Options Overview

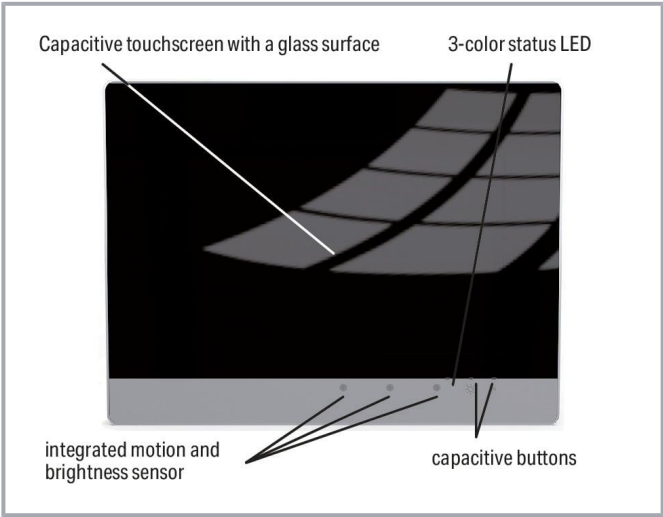
|                                   | CPU          | On Board              |                       |                       |                       |                       |                       |                       |                       |                       |                       | Product extensions    |                       |                       |                       | Hardware              | Display Diagonal | Item No.          |
|-----------------------------------|--------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------|-------------------|
|                                   |              | Modbus RTU/Modbus TCP | Modbus RTU/Modbus TCP | Modbus RTU/Modbus TCP | Modbus RTU/Modbus TCP | Modbus RTU/Modbus TCP | Modbus RTU/Modbus TCP | Modbus RTU/Modbus TCP | Modbus RTU/Modbus TCP | Modbus RTU/Modbus TCP | Modbus RTU/Modbus TCP | Modbus RTU/Modbus TCP | Modbus RTU/Modbus TCP | Modbus RTU/Modbus TCP | Modbus RTU/Modbus TCP |                       |                  |                   |
| Touch Panels 600<br>Standard Line | Cortex<br>A9 | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | PG2: Control<br>Panel | 10.0 cm (4.0")   | 762-4301/8000-002 |
|                                   |              | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | PG2: Control<br>Panel | 14.5 cm (5.7")   | 762-4303/8000-002 |
|                                   |              | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | PG2: Control<br>Panel | 18 cm (7.1")     | 762-4304/8000-002 |
|                                   |              | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | PG2: Control<br>Panel | 25.7 cm (10.1")  | 762-4304/8000-002 |
| Touch Panels 600<br>Advanced Line | Cortex<br>A9 | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | PG2: Control<br>Panel | 10.0 cm (4.0")   | 762-4301/8000-001 |
|                                   |              | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | PG2: Control<br>Panel | 14.5 cm (5.7")   | 762-4303/8000-001 |
|                                   |              | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | PG2: Control<br>Panel | 18 cm (7.1")     | 762-4304/8000-001 |
|                                   |              | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | PG2: Control<br>Panel | 25.7 cm (10.1")  | 762-4304/8000-001 |
| Touch Panels 600<br>Marine Line   | Cortex<br>A9 | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | PG2: Control<br>Panel | 10.0 cm (4.0")   | 762-4301/8000-002 |
|                                   |              | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | PG2: Control<br>Panel | 14.5 cm (5.7")   | 762-4303/8000-002 |
|                                   |              | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | PG2: Control<br>Panel | 18 cm (7.1")     | 762-4304/8000-002 |
|                                   |              | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | x                     | PG2: Control<br>Panel | 25.7 cm (10.1")  | 762-4304/8000-002 |



Subject to changes. Please also observe the further product documentation!

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Item description

PIO3 hardware configuration

- 2 x ETHERNET port for connecting to field devices and the engineering tool
- 2 x USB port for optional connection of a USB stick, mouse or keyboard
- Audio interface for connecting a headphone or loudspeaker
- CAN for controlling field devices
- RS-232/485 interface for controlling field devices with a serial interface
- 4 x digital input/output for reading/triggering digital signals
- Power-failure-proof storage component

Data

Technical data

|                                     |                                                                     |
|-------------------------------------|---------------------------------------------------------------------|
| Display diagonal                    | 25.7 cm (10.1 inches)                                               |
| Display                             | Multitouch glass front; Capacitive touchscreen with a glass surface |
| Display colors                      | 16 million colors                                                   |
| Graphics resolution                 | (1280 x 800) px                                                     |
| Contrast ratio                      | 800:1                                                               |
| Viewing angle (horizontal/vertical) | 85° / 85°                                                           |
| Brightness                          | 800 cd/m <sup>2</sup>                                               |
| Visualization                       | Web server<br>Web-Visu<br>Target Visu                               |
| ETHERNET protocols                  | DHCP                                                                |

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|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                              | DNS<br>FTP<br>FTPS<br>HTTP<br>HTTPS<br>SSH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Communication                | Web browser<br>Web browser (HTML5)<br>Modbus TCP master/slave<br>Modbus (UDP), WagoAppPlcModbus Library<br>Modbus (RTU), WagoAppPlcModbus Library<br>ETHERNET<br>EtherNet/IP™ Adapter (slave)<br>EtherNet/IP™ Scanner<br>CANopen<br>EtherCAT® Master<br>OPC UA Server/Client<br>OPC UA Pub/Sub (can be installed later)<br>MQTT<br>RS-232 serial interface<br>RS-485 interface<br>BACnet/IP, <b>requires an additional license</b><br>Telecontrol protocols, <b>requires an additional license</b><br>MicroBrowser (including visualization of CODESYS V2.3), requires an additional license |
| Operating system             | Real-time Linux (with RT-Preempt patch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Processor                    | ARM® Cortex® A9 Quad-Core 1.0 GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Programming environment      | CODESYS V3.5, Firmware Release 24 or higher<br>e!COCKPIT (based on CODESYS V3) up to Firmware Release 22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Main memory (RAM)            | 2,048 MB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Internal memory (flash)      | 4096 MB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Program memory               | 32 MB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Data memory                  | 128 MB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Non-volatile software memory | 128. Kbytes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Type of memory card          | microSD (max. 2 GB); microSDHC (max. 32 GB)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Indicators                   | Three-color LED (red, green, blue)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Controls                     | capacitive (glass), 2 capacitive keys, proximity sensor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Supply voltage               | 24 VDC, SELV (18 ... 31.2 V); with reverse voltage protection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Operating power              | 11.8 W, without USB load; 17.0 W, with USB load                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

## Connection data

Connection technology: communication/fieldbus

Modbus (TCP, UDP): 2 x RJ-45; EtherNet/IP™: 2 x RJ-45; CANopen:

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1 x D-sub 9 plug; Modbus (UDP): 2 x RJ-45; RS-232 + RS-485/-422 serial interface: 1 x D-sub 9 socket; USB: 2 x USB 2.0 host (type A)

Connection technology: supply

1 x Included female connector (734-103) with three CAGE CLAMP® connections

## Physical data

|                      |                        |
|----------------------|------------------------|
| Width                | 293 mm / 11.535 inches |
| Height               | 223 mm / 8.78 inches   |
| Depth                | 78 mm / 3.070 inches   |
| Panel cutout (W x H) | (278 x 208) mm         |

## Mechanical data

|             |        |
|-------------|--------|
| Weight      | 1689 g |
| Front panel |        |

## Environmental requirements

|                                          |                                                                                    |
|------------------------------------------|------------------------------------------------------------------------------------|
| Ambient temperature (operation)          | -20 ... +55 °C (when mounted vertically; -20 ... +50 °C, other mounting positions) |
| Ambient temperature (storage)            | -20 ... +80 °C                                                                     |
| Protection type                          | IP65                                                                               |
| Note on protection type                  | IP65 (front side); IP20 (rear side), per EN 60529                                  |
| Relative humidity (without condensation) | 90 %                                                                               |
| Mounting type                            | Clamping elements (included) or VESA mount (4 x M4x8)                              |
| Fire load                                | 0.003 MJ                                                                           |

## Commercial data

|                       |               |
|-----------------------|---------------|
| ETIM 8.0              | EC001414      |
| ETIM 7.0              | EC001414      |
| ECCN                  | NO DATA       |
| PU (SPU)              | 1 pcs         |
| Packaging type        | box           |
| Country of origin     | DE            |
| GTIN                  | 4055143825078 |
| Customs tariff number | 84714100000   |

## Environmental Product Compliance

|                        |                         |
|------------------------|-------------------------|
| RoHS Compliance Status | Compliant, No Exemption |
|------------------------|-------------------------|

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## Approvals / Certificates

### General approvals

| Logo                                                                             | Approval                                                  | Additional Approval Text | Certificate name            |
|----------------------------------------------------------------------------------|-----------------------------------------------------------|--------------------------|-----------------------------|
|  | EAC<br>GZO Almaty Standart                                | TP TC 020/2011           | EAC CoC<br>03083            |
|   | KC<br>National Radio Research Agency                      | Article 58-2, Clause 3   | MSIP-<br>REM-W43-<br>WBP762 |
|  | UL<br>Underwriters Laboratories Inc. (ORDINARY LOCATIONS) | UL 61010-2-201           | E175199                     |

### Approvals for marine applications

| Logo                                                                              | Approval                | Additional Approval Text | Certificate name |
|-----------------------------------------------------------------------------------|-------------------------|--------------------------|------------------|
|  | DNV<br>DNV Germany GmbH | DNV-CG-0339, Aug. 2021   | TAA00001FS       |

## Optional accessories

### Memory card

#### Memory card

|                                                                                    |                                                                                                     |                                                                                  |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
|  | Item no.: 758-879/000-3102<br>Memory Card SD Micro; 2 GByte                                         | <a href="http://www.wago.com/758-879/000-3102">www.wago.com/758-879/000-3102</a> |
|   | Item no.: 758-879/000-3108<br>Memory Card SD Micro; pSLC-NAND; 8 GB; Temperature range: -40 to 90°C | <a href="http://www.wago.com/758-879/000-3108">www.wago.com/758-879/000-3108</a> |

### Mounting

#### Mounting accessories

|                                                                                    |                                                                     |                                                                  |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------|------------------------------------------------------------------|
|  | Item no.: 762-9001<br>e!DISPLAY7300T ; Clamping elements (4 pieces) | <a href="http://www.wago.com/762-9001">www.wago.com/762-9001</a> |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------|------------------------------------------------------------------|

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**Item no.: 762-9324**

Flush-Mounted Housing for Touch Panel 600; 25.7 cm (10.1"); 80.0 mm

[www.wago.com/762-9324](http://www.wago.com/762-9324)**Software**

Software Application

**Item no.: 2759-208/211-1000**

Library MTP; Single License; Online activation

[www.wago.com/2759-208/211-1000](http://www.wago.com/2759-208/211-1000)**Downloads****Documentation****Manual**

|                                                                                    |                           |               |          |
|------------------------------------------------------------------------------------|---------------------------|---------------|----------|
| Product Manual WAGO Touch Panel 600<br>Advanced Line                               | 1.8.0<br>2023 年 12 月 4 日  | pdf<br>3.9 MB | Download |
| Migration Guide<br>Migration from e!COCKPIT projects to CODESYS V3.5               | V 1.3.0<br>2023 年 7 月 3 日 | pdf<br>5.1 MB | Download |
| Migrationsleitfaden von e!COCKPIT-Projekten zu CODESYS V3.5<br>Online Hilfe (HTML) |                           | URL           | Download |

**Bid Text**

|                                   |                 |                 |          |
|-----------------------------------|-----------------|-----------------|----------|
| 762-5304/8000-002<br>X81 - Datei  | 2019 年 2 月 19 日 | xml<br>6.4 kB   | Download |
| 762-5304/8000-002<br>docx - Datei | 2019 年 1 月 4 日  | docx<br>23.0 kB | Download |
| ausschreiben.de 762-5304/8000-002 |                 | URL             | Download |

**Tutorial**

|                                                                                                                                                                                                                                                                                                                                  |                       |                |          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|----------------|----------|
| Establish connection to a controller using SSH<br>In this video we are demonstrating how to establish a SSH connection with a controller using for example PuTTY to be able to work with the LINUX console. Contents: 0:21 Download and install the SSH client; 0:40 Establish the SSH connection; 0:50 Log on to the Controller | 1.0<br>2017 年 8 月 5 日 | mp4<br>29.0 MB | Download |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|----------------|----------|

**System Description**

|                                     |     |          |
|-------------------------------------|-----|----------|
| Touch Panel 600, system description | pdf | Download |
|-------------------------------------|-----|----------|

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513.5 kB

**Additional Information**

|                    |                         |               |          |
|--------------------|-------------------------|---------------|----------|
| WAGO OPC UA Server | V 1.1.0<br>2021 年1月28 日 | pdf<br>1.2 MB | Download |
|--------------------|-------------------------|---------------|----------|

**Application Notes****Application Note e!COCKPIT**

|                                                                                                                                                                                                                                               |                         |               |          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|---------------|----------|
| Application Note WAGO Visualization Datalogger (a2022005)                                                                                                                                                                                     | 20240109<br>2024 年1月9 日 | zip<br>3.9 MB | Download |
| WAGO Visualization Datalogger is a Web application that can be used as a visualization tool for the recorded data of the datalogger library (WAGOAppDatalogger).                                                                              |                         |               |          |
| WAGO Visualization Datalogger does not replace the datalogger but is rather a supplementary function. It is an HTML/Javascript application available via the Webserver on the controller. The user launches the Web application in a browser. |                         |               |          |

|                                                                                                                                                                                          |                       |                |          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|----------------|----------|
| e!COCKPIT Anwendungshinweis HVAC BACnet Macros (a2021010)                                                                                                                                | 1.3.0<br>2023 年2月27 日 | zip<br>69.2 MB | Download |
| Basierend auf der Bibliothek WagoAppBuildingHVAC_BACnet stellt WAGO in dem Bereich Heizung, Lüftung und Klimatisierung verschieden HLK-Anlagenmakros mit BACnet-Anbindung zur Verfügung. |                       |                |          |

**Engineering-Software****e!COCKPIT**

|                                                                    |                          |               |          |
|--------------------------------------------------------------------|--------------------------|---------------|----------|
| e!COCKPIT                                                          | 1.11.2.0<br>2023 年4月24 日 | zip<br>4.1 GB | Download |
| Register at no cost and test our engineering software for 30 days. |                          |               |          |

**Configuration and Commissioning Software**

|                                                                                                                                     |                         |                |          |
|-------------------------------------------------------------------------------------------------------------------------------------|-------------------------|----------------|----------|
| WAGOupload                                                                                                                          | 1.16.1.0<br>2022 年2月2 日 | zip<br>12.4 MB | Download |
| WAGOupload is a stand-alone PC software for transferring, backing up and restoring PLC applications on WAGO 750 Series controllers. |                         |                |          |

**Runtime Software****Firmware**

|                                                                       |                           |                 |          |
|-----------------------------------------------------------------------|---------------------------|-----------------|----------|
| Image Update (SD Karte) TP 600<br>WAGO_FW0762-4xxx_V031010_IX22_SP1_I | V 22 SP1<br>2022 年12月14 日 | zip<br>220.8 MB | Download |
|-----------------------------------------------------------------------|---------------------------|-----------------|----------|

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|                                     |                |          |          |
|-------------------------------------|----------------|----------|----------|
| WUP Update (WAGUpload Tool) TP 600  | V 22 SP1       | zip      | Download |
| WAGO_FW0762-4xxx_V031010_IX22_SP1_W | 2022 年12 月14 日 | 219.0 MB |          |

#### Firmware Codesys 3.5

|                              |     |          |
|------------------------------|-----|----------|
| TP 600 Codesys V3.5 Firmware | URL | Download |
| TP 600 Codesys V3.5 Firmware |     |          |

## Software Solutions (Applications)

### Energy data management

|                                    |     |          |
|------------------------------------|-----|----------|
| Energy Data Management Application | URL | Download |
|------------------------------------|-----|----------|

With our energy data management, EDM, solution, you can record and visualize your measurement data of different media and parameters in no time. Continuous collection and monitoring provide the basis for the resource-efficient energy usage – the environment will thank you and your operating costs will be minimized. And by the way, the normative conformity according to DIN EN 50001 for the energetic evaluation is part of the package.

## CAD/CAE-Data

### CAD data

|                                |     |          |
|--------------------------------|-----|----------|
| 2D/3D Models 762-5304/8000-002 | URL | Download |
|--------------------------------|-----|----------|

### CAE data

|                                |     |          |
|--------------------------------|-----|----------|
| ZUKEN Portal 762-5304/8000-002 | URL | Download |
|--------------------------------|-----|----------|

|                                     |     |          |
|-------------------------------------|-----|----------|
| EPLAN Data Portal 762-5304/8000-002 | URL | Download |
|-------------------------------------|-----|----------|

### Asset Administration Shell

|                                              |     |          |
|----------------------------------------------|-----|----------|
| Asset Administration Shell 762-5304/8000-002 | URL | Download |
|----------------------------------------------|-----|----------|

## Environmental Product Compliance

### Compliance Search

|                                                    |     |          |
|----------------------------------------------------|-----|----------|
| Environmental Product Compliance 762-5304/8000-002 | URL | Download |
|----------------------------------------------------|-----|----------|

Touch Panel 600; 25.7 cm (10.1"); 1280 x 800 pixels; 2 x ETHERNET, 2 x USB, CAN, DI /DO, RS-232/485, Audio; Control Panel

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## Installation Notes

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