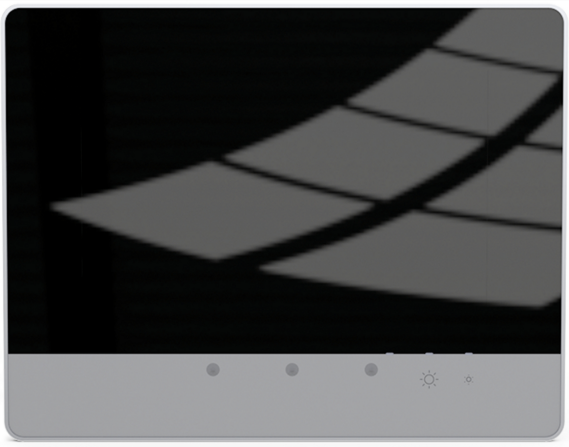
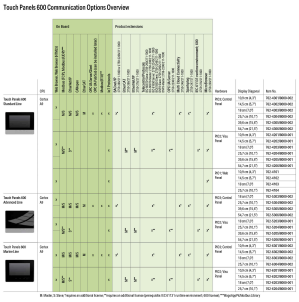
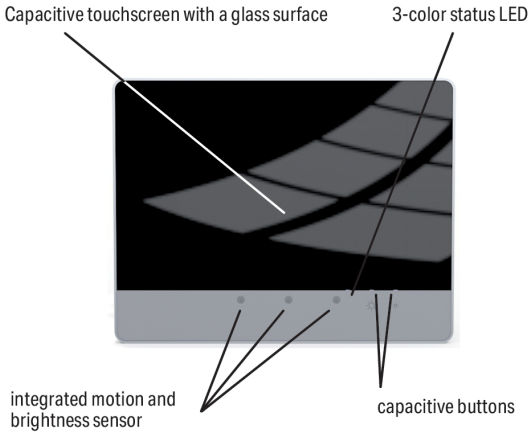
# Data Sheet | Item Number: 762-5303/8000-002

Touch Panel 600; 17.8 cm (7.0"); 800 x 480 pixels; 2 x ETHERNET, 2 x USB, CAN, DI/DO, RS-232/485, Audio; Control Panel

https://www.wago.com/762-5303/8000-002






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 equipped with a serial interface
- 4 x digital input/output for reading/triggering digital signals
- Power-failure-proof storage component

## Technical data

| | |
|---|---|
| Display diagonal | 17.8 cm (7 inches) |
| Display | Multitouch glass front; capacitive touchscreen with a glass surface |
| Display colors | 16 million colors |
| Graphics resolution | (800 x 480) px |
| Contrast ratio | 800:1 |
| Viewing angle (horizontal/vertical) | 89° / 89° |
| Brightness | 450 cd/m² |
| Visualization | Web server<br>Web-Visu<br>Target Visu |

## Technical data

| | |
|---|---|
| ETHERNET protocols | DHCP<br>DNS<br>FTP<br>FTPS<br>HTTP<br>HTTPS<br>SSH |
| Telecontrol protocols | IEC 60870 (additional license as slave or master)<br>IEC 61850 (additional license as Client or Server)<br>DNP3 (additional license as Slave or Master) |
| Communications | 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, **requires an additional license**<br>Telecontrol protocols, **requires an additional license**<br>MicroBrowser (including visualization of CODESYS V2.3), requires an additional license |
| Interfaces (USB) | 2 x USB host 2.0 (type A) |
| Onboard I/Os | Audio; 4 x DIO, configurable |
| Operating system | Real-time Linux (with PREEMPT_RT 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) | 2048 MB |
| Internal memory (flash) | 4096 MB |
| Program memory | 32 MB |
| Data memory | 128 MB |
| Non-volatile software memory | 128 KB |
| Type of memory card | microSD (max. 2 GB); microSDHC (max. 32 GB) |
| Indicators | Three-color LED (red, green, blue) |
| Control Elements | capacitive (glass), 2 capacitive keys, proximity sensor |
| Supply voltage | 24 VDC, SELV (18 … 31.2 V); with reverse voltage protection |
| Input current (typ.) | 460 mA, without USB load; 760 mA, with USB load |
| Operating power | 8.8 W, without USB load; 13.9 W, with USB load |

## Connection Data

| | |
|---|---|
| Connection technology: communication/fieldbus | Modbus (TCP, UDP): 2 x RJ-45; EtherNet/IP™: 2 x RJ-45; CANopen: 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 (734-103/037-000) with three CAGE CLAMP® connections |

## Physical data

| | |
|---|---|
| Width | 213 mm / 8.386 inches |
| Height | 167 mm / 6.575 inches |
| Depth | 78 mm / 3.070 inches |
| Panel cutout (W x H) | (198 x 152) mm |

## Mechanical data

| | |
|---|---|
| Mounting type | Clamping elements (included) or VESA mount (4 x M4x8) |

## Material data

| | |
|---|---|
| Fire load | 0.003 MJ |
| Weight | 1230 g |

## Environmental requirements

| | |
|---|---|
| Ambient temperature (operation) | -20 … +55 °C (Vertical mounting position; -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 % |

## Data Act

| | |
|---|---|
| Pre-contractual Information | <a href="https://www.wago.com/global/d/Data-Act-AUT-Produkte-HMI">Data-Act-AUT-Produkte-HMI</a> |

## Commercial data

| | |
|---|---|
| PU (SPU) | 1 pcs |
| Packaging type | Box |
| Country of origin | DE |
| GTIN | 4055143839303 |
| Customs tariff number | 84714100000 |

## Product Classification

| | |
|---|---|
| UNSPSC | 43211903 |
| ETIM 9.0 | EC001414 |
| ETIM 10.0 | EC001414 |
| ECCN | NO US CLASSIFICATION |

## Environmental Product Compliance

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

## Approvals / Certificates

### General approvals

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

### Declarations of conformity and manufacturer's declarations

| Approval | Standard | Certificate Name |
|---|---|---|
| EU-Declaration of Conformity<br>WAGO GmbH & Co. KG | - | - |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## Approvals for marine applications

| Approval | Standard | Certificate Name |
|---|---|---|
| DNV<br>DNV Germany GmbH | - | TAA00001FS |

## Downloads

### Environmental Product Compliance

**Compliance Search**

| | | | |
|---|---|---|---|
| Environmental Product Compliance 762-5303/8000-002 | | | |

### Documentation

**Manual**

| | | | |
|---|---|---|---|
| Product Manual WAGO Touch Panel 600 | 1.9.0<br>16.08.2024 | pdf<br>2468.51 KB | |
| Migrationsleitfaden von e!COCKPIT-Projekten zu CODESYS V3.5 | | | |

**System Description**

| | | | |
|---|---|---|---|
| Touch Panel 600, system description | | pdf<br>512.48 KB | |

**Tutorial**

| | | | |
|---|---|---|---|
| Establish connection to a controller using SSH | 1.0<br>05.08.2017 | mp4<br>28368.02 KB | |

**Additional Information**

| | | | |
|---|---|---|---|
| WAGO OPC UA Server | V 1.1.0<br>28.01.2021 | pdf<br>1132.87 KB | |

**Bid Text**

| | | | |
|---|---|---|---|
| 762-5303/8000-002 | 04.01.2019 | docx<br>22.41 KB | |
| 762-5303/8000-002 | 19.02.2019 | xml<br>6.25 KB | |
| ausschreiben.de 762-5303/8000-002 | | | |

### Application Notes

**Application Note e!COCKPIT**

| | | | |
|---|---|---|---|
| e!COCKPIT Application Note HVAC macros | 2021-12-06<br>06.12.2021 | zip<br>10154.49 KB | |
| CODESYS 3 Anwendungshinweis HLK BACnet Makros (a2021010) | 1.3.0<br>27.02.2023 | zip<br>67588.63 KB | |

**Application note, other**

| | | | |
|---|---|---|---|
| Application Note WAGO Visualization Datalogger (a2022005) | 20260622<br>29.06.2026 | zip<br>5091.71 KB | |


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## CAD/CAE-Data

| CAD data | CAE data |
|---|---|
| 2D/3D Models 762-5303/8000-002 | EPLAN Data Portal 762-5303/8000-002 |
| | ZUKEN Portal 762-5303/8000-002 |

## Engineering-Software

| Configuration and Commissioning Software | | |
|---|---|---|
| WAGOupload | 1.16.1.0<br>02.02.2022 | zip<br>12111.45 KB |

## Runtime Software

| Firmware | | |
|---|---|---|
| TP 600 Codesys V3.5 Firmware | V 25<br>14.07.2023 | zip<br>0.02 KB |
| Image Update (SD Karte) TP 600 | V 22 SP1<br>14.12.2022 | zip<br>215605.05 KB |
| WUP Update (WAGOupload Tool) TP 600 | V 22 SP1<br>14.12.2022 | zip<br>213841.16 KB |

## System Software

CODESYS V3.5

# 1 Compatible Products

## 1.1 Product Expansions

### 1.1.1 Runtime software



Item No.: 2759-2286/211-1000
Runtime; BACnet; 600; M; Single License; Online activation



Item No.: 2759-2276/211-1000
Runtime; BACnet; 600; S; Single License; Online activation



Item No.: 2759-286/211-1000
Runtime; BACnet; 600; Single License; Online activation



Item No.: 2759-2296/211-1000
Runtime; DNP3 Master; L; Single License; Online activation



Item No.: 2759-2291/211-1000
Runtime; DNP3 Slave; L; Single License; Online activation



Item No.: 2759-296/211-1000
Runtime; IEC60870 Master; L; Single License; Online activation



Item No.: 2759-291/211-1000
Runtime; IEC60870 Slave; L; Single License; Online activation



Item No.: 2759-2246/211-1000
Runtime; IEC61850 Client; L; Single License; Online activation



Item No.: 2759-2241/211-1000
Runtime; IEC61850 Server; L; Single License; Online activation



Item No.: 2759-230/211-1000
Runtime; MicroBrowser; Single License; Online activation



Item No.: 2759-248/211-1000
Runtime; Multi Cloud Connectivity; Single License; Online activation



Item No.: 2759-247/211-1000
Runtime; Sparkplug; Single License; Online activation


Continued on next page

## 1.2 Optional Accessories

### 1.2.1 Installation

#### 1.2.1.1 Mounting accessories



Item No.: 762-9001
e!DISPLAY7300T ; Clamping elements (4 pieces)

### 1.2.2 Memory card

#### 1.2.2.1 Memory card

Item No.: 758-879/000-3116
Memory Card SD Micro; pSLC-NAND; 16 GB; Temperature range: -40 to 85°C