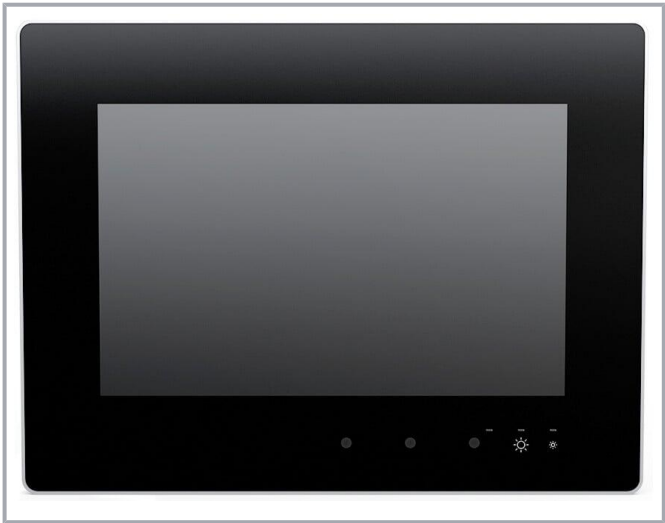


Data sheet | Item number: 762-6304/8000-002

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



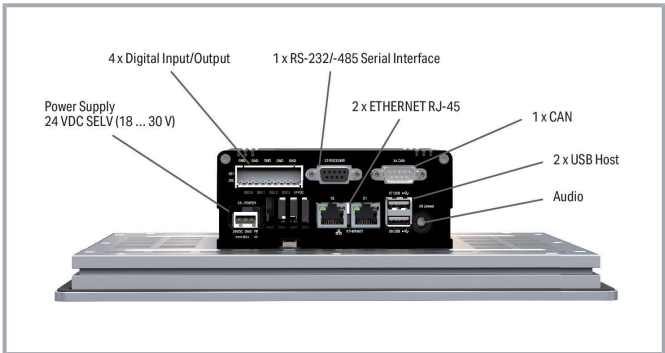
[www.wago.com/762-6304/8000-002](http://www.wago.com/762-6304/8000-002)



Touch Panels 600 Communication Options Overview

|                                   | CPU          | On Board                   | Product extensions | Hardware              | Display Diagonal | Item No.          |
|-----------------------------------|--------------|----------------------------|--------------------|-----------------------|------------------|-------------------|
| Touch Panels 600<br>Standard Line | Cortex<br>A9 | Modbus (TCP, Modbus RTU)** |                    | PIC3 Control<br>Panel | 10.0 cm (4.0")   | 762-4301/8000-002 |
|                                   |              | Modbus (RTU)               |                    |                       | 14.5 cm (5.7")   | 762-4302/8000-002 |
|                                   |              | Modbus (RTU)               |                    |                       | 18 cm (7.0")     | 762-4303/8000-002 |
|                                   |              | Modbus (RTU)               |                    |                       | 25.7 cm (10.1")  | 762-4304/8000-002 |
|                                   |              | Modbus (RTU)               |                    |                       | 28.6 cm (11.3")  | 762-4305/8000-002 |
|                                   |              | Modbus (RTU)               |                    |                       | 34.7 cm (13.7")  | 762-4306/8000-002 |
|                                   |              | Modbus (RTU)               |                    | PIC3 View<br>Panel    | 10.0 cm (4.0")   | 762-4301/8000-001 |
|                                   |              | Modbus (RTU)               |                    |                       | 14.5 cm (5.7")   | 762-4302/8000-001 |
|                                   |              | Modbus (RTU)               |                    |                       | 18 cm (7.0")     | 762-4303/8000-001 |
|                                   |              | Modbus (RTU)               |                    |                       | 25.7 cm (10.1")  | 762-4304/8000-001 |
|                                   |              | Modbus (RTU)               |                    |                       | 28.6 cm (11.3")  | 762-4305/8000-001 |
|                                   |              | Modbus (RTU)               |                    |                       | 34.7 cm (13.7")  | 762-4306/8000-001 |
| Touch Panels 600<br>Advanced Line | Cortex<br>A9 | Modbus (TCP, Modbus RTU)** |                    | PIC3 Control<br>Panel | 10.0 cm (4.0")   | 762-5301/8000-002 |
|                                   |              | Modbus (RTU)               |                    |                       | 14.5 cm (5.7")   | 762-5302/8000-002 |
|                                   |              | Modbus (RTU)               |                    |                       | 18 cm (7.0")     | 762-5303/8000-002 |
|                                   |              | Modbus (RTU)               |                    |                       | 25.7 cm (10.1")  | 762-5304/8000-002 |
|                                   |              | Modbus (RTU)               |                    |                       | 28.6 cm (11.3")  | 762-5305/8000-002 |
|                                   |              | Modbus (RTU)               |                    |                       | 34.7 cm (13.7")  | 762-5306/8000-002 |
|                                   |              | Modbus (RTU)               |                    | PIC3 View<br>Panel    | 10.0 cm (4.0")   | 762-5301/8000-001 |
|                                   |              | Modbus (RTU)               |                    |                       | 14.5 cm (5.7")   | 762-5302/8000-001 |
|                                   |              | Modbus (RTU)               |                    |                       | 18 cm (7.0")     | 762-5303/8000-001 |
|                                   |              | Modbus (RTU)               |                    |                       | 25.7 cm (10.1")  | 762-5304/8000-001 |
|                                   |              | Modbus (RTU)               |                    |                       | 28.6 cm (11.3")  | 762-5305/8000-001 |
|                                   |              | Modbus (RTU)               |                    |                       | 34.7 cm (13.7")  | 762-5306/8000-001 |
| Touch Panels 600<br>Marine Line   | Cortex<br>A9 | Modbus (TCP, Modbus RTU)** |                    | PIC3 Control<br>Panel | 10.0 cm (4.0")   | 762-6301/8000-002 |
|                                   |              | Modbus (RTU)               |                    |                       | 14.5 cm (5.7")   | 762-6302/8000-002 |
|                                   |              | Modbus (RTU)               |                    |                       | 18 cm (7.0")     | 762-6303/8000-002 |
|                                   |              | Modbus (RTU)               |                    |                       | 25.7 cm (10.1")  | 762-6304/8000-002 |
|                                   |              | Modbus (RTU)               |                    |                       | 28.6 cm (11.3")  | 762-6305/8000-002 |
|                                   |              | Modbus (RTU)               |                    |                       | 34.7 cm (13.7")  | 762-6306/8000-002 |
|                                   |              | Modbus (RTU)               |                    | PIC3 View<br>Panel    | 10.0 cm (4.0")   | 762-6301/8000-001 |
|                                   |              | Modbus (RTU)               |                    |                       | 14.5 cm (5.7")   | 762-6302/8000-001 |
|                                   |              | Modbus (RTU)               |                    |                       | 18 cm (7.0")     | 762-6303/8000-001 |
|                                   |              | Modbus (RTU)               |                    |                       | 25.7 cm (10.1")  | 762-6304/8000-001 |
|                                   |              | Modbus (RTU)               |                    |                       | 28.6 cm (11.3")  | 762-6305/8000-001 |
|                                   |              | Modbus (RTU)               |                    |                       | 34.7 cm (13.7")  | 762-6306/8000-001 |

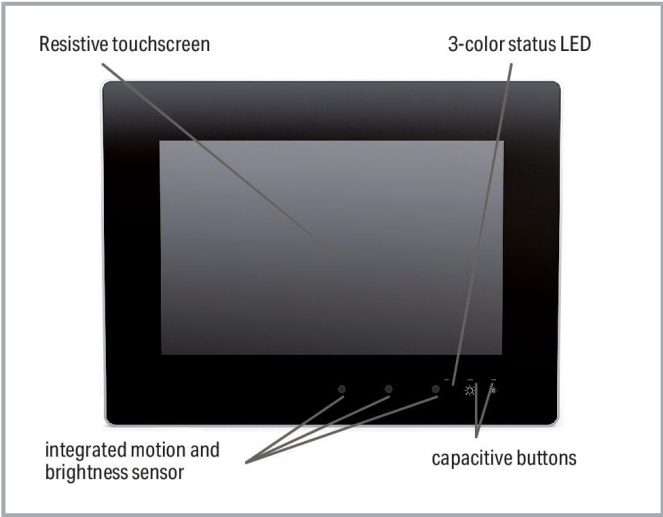
M: Master, S: Slave; \*\*requires an additional license; \*\*\*requires an additional license (pre-processor: EC 6131 runtime environment; 600 license); \*\*\*\*WagoAppPiModbus Library



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
- 1 x 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                             | Resistive touchscreen (black front)   |
| 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 Quadcore 1.0 GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Programming environment | CODESYS V3.5, Firmware Release 24 or higher<br><i>e!COCKPIT</i> (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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Type of memory card     | microSD (max. 2 GB); microSDHC (max. 32 GB)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Indicators              | Three-color LED (red, green, blue)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Controls                | Resistive touch panel, two 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: 1 x D-sub 9 plug; Modbus (UDP): 2 x RJ-45; RS-232 +

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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 | 2427 g |
|--------|--------|

## 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)                              |

## Commercial data

|                       |               |
|-----------------------|---------------|
| ETIM 8.0              | EC001414      |
| ETIM 7.0              | EC001414      |
| PU (SPU)              | 1 pcs         |
| Packaging type        | box           |
| Country of origin     | DE            |
| GTIN                  | 4055143942898 |
| Customs tariff number | 84714100000   |

## Environmental Product Compliance

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

## Approvals / Certificates

### General approvals

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

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| Logo                                                                             | Approval                                                         | Additional Approval Text | Certificate name            |
|----------------------------------------------------------------------------------|------------------------------------------------------------------|--------------------------|-----------------------------|
|  | <b>EAC</b><br>Brjansker Zertifizierungsstelle                    | TP TC 020/2011           | EAC RU C-DE.AM02.B.00087/19 |
|   | <b>KC</b><br>National Radio Research Agency                      | Article 58-2, Clause 3   | MSIP-REM-W43-WBP762         |
|  | <b>UL</b><br>Underwriters Laboratories Inc. (ORDINARY LOCATIONS) | UL 61010-2-201           | E175199                     |

#### Declarations of conformity and manufacturer's declarations

| Logo                                                                             | Approval                                                  | Additional Approval Text | Certificate name |
|----------------------------------------------------------------------------------|-----------------------------------------------------------|--------------------------|------------------|
|  | <b>EU-Declaration of Conformity</b><br>WAGO GmbH & Co. KG | -                        | -                |

#### Approvals for marine applications

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

#### Optional accessories

##### 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)

##### Mounting

###### Mounting accessories



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

[www.wago.com/762-9001](http://www.wago.com/762-9001)

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

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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)

## Memory card

### Memory card



Item no.: 758-879/000-3102

Memory Card SD Micro; 2 GByte

[www.wago.com/758-879/000-3102](http://www.wago.com/758-879/000-3102)


Item no.: 758-879/000-3108

Memory Card SD Micro; pSLC-NAND; 8 GB; Temperature range: -40 to 90°C

[www.wago.com/758-879/000-3108](http://www.wago.com/758-879/000-3108)

## Downloads

### Documentation

#### Manual

|                                                                                    |                       |               |          |
|------------------------------------------------------------------------------------|-----------------------|---------------|----------|
| Product Manual WAGO Touch Panel 600<br>Marine Line                                 | 1.6.0<br>2023 Dec 4   | pdf<br>3.9 MB | Download |
| Migration Guide<br>Migration from e!COCKPIT projects to CODESYS V3.5               | V 1.3.0<br>2023 Jul 3 | pdf<br>5.1 MB | Download |
| Migrationsleitfaden von e!COCKPIT-Projekten zu CODESYS V3.5<br>Online Hilfe (HTML) |                       | URL           | Download |

#### Bid Text

|                                   |  |                 |          |
|-----------------------------------|--|-----------------|----------|
| 762-6304/8000-002<br>X81 - Datei  |  | xml<br>6.9 kB   | Download |
| 762-6304/8000-002<br>docx - Datei |  | docx<br>20.1 kB | Download |

#### System Description

|                                     |  |                 |          |
|-------------------------------------|--|-----------------|----------|
| Touch Panel 600, system description |  | pdf<br>513.5 kB | Download |
|-------------------------------------|--|-----------------|----------|

#### Additional Information

|                    |                        |               |          |
|--------------------|------------------------|---------------|----------|
| WAGO OPC UA Server | V 1.1.0<br>2021 Jan 28 | pdf<br>1.2 MB | Download |
|--------------------|------------------------|---------------|----------|

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## Application Notes

### Application Note e!COCKPIT

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

## Engineering-Software

### Configuration and Commissioning Software

|                                                                                                                                    |            |         |          |
|------------------------------------------------------------------------------------------------------------------------------------|------------|---------|----------|
| WAGUpload                                                                                                                          | 1.16.1.0   | zip     | Download |
| WAGUpload is a stand-alone PC software for transferring, backing up and restoring PLC applications on WAGO 750 Series controllers. | 2022 Feb 2 | 12.4 MB |          |

## Runtime Software

### Firmware

|                                     |             |          |          |
|-------------------------------------|-------------|----------|----------|
| TP 600 Codesys V3.5 Firmware        | V 25        | zip      | Download |
| TP 600 Codesys V3.5 Firmware        | 2023 Jul 14 | 22 B     |          |
| Image Update (SD Karte) TP 600      | V 22 SP1    | zip      | Download |
| WAGO_FW0762-4xxx_V031010_IX22_SP1_I | 2022 Dec 14 | 220.8 MB |          |
| WUP Update (WAGUpload Tool) TP 600  | V 22 SP1    | zip      | Download |
| WAGO_FW0762-4xxx_V031010_IX22_SP1_W | 2022 Dec 14 | 219.0 MB |          |

## CAD/CAE-Data

### CAE data

|                                     |     |          |
|-------------------------------------|-----|----------|
| ZUKEN Portal 762-6304/8000-002      | URL | Download |
| EPLAN Data Portal 762-6304/8000-002 | URL | Download |

### CAD data

|                                |     |          |
|--------------------------------|-----|----------|
| 2D/3D Models 762-6304/8000-002 | URL | Download |
|--------------------------------|-----|----------|

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Asset Administration Shell

|                                              |     |          |
|----------------------------------------------|-----|----------|
| Asset Administration Shell 762-6304/8000-002 | URL | Download |
|----------------------------------------------|-----|----------|

Environmental Product Compliance

Compliance Search

|                                                                                                                           |     |          |
|---------------------------------------------------------------------------------------------------------------------------|-----|----------|
| Environmental Product Compliance 762-6304/8000-002                                                                        | 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 |     |          |

Installation Notes

Product family

Marine Line  
[Show all products from the family](#)

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