

Data sheet | Item number: 762-6301/8000-002  
Touch Panel 600; 10.9 cm (4.3"); 480 x 272 pixels; 2 x ETHERNET, 2 x USB,  
CAN, DI/DO, RS-232/485, Audio; Control Panel



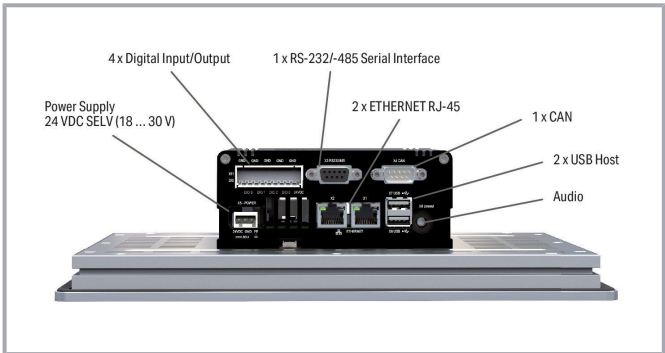
[www.wago.com/762-6301/8000-002](http://www.wago.com/762-6301/8000-002)



Touch Panels 600 Communication Options Overview

|                                | CPU       | On Board            |                       |              |             |            |                |                     |                     |                     |                     | Product extensions  |                     |                     |                     |
|--------------------------------|-----------|---------------------|-----------------------|--------------|-------------|------------|----------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|                                |           | Modbus RTU (RS-485) | Modbus TCP (Ethernet) | Modbus ASCII | Modbus Plus | Modbus CAN | Modbus CANopen | Modbus CANopen (S7) | Modbus CANopen (S7) | Modbus CANopen (S7) | Modbus CANopen (S7) | Modbus CANopen (S7) | Modbus CANopen (S7) | Modbus CANopen (S7) | Modbus CANopen (S7) |
| Touch Panels 600 Standard Line | Cortex A8 | x                   | x                     | x            | x           | x          | x              | x                   | x                   | x                   | x                   | x                   | x                   | x                   | x                   |
|                                |           | x                   | x                     | x            | x           | x          | x              | x                   | x                   | x                   | x                   | x                   | x                   | x                   | x                   |
|                                |           | x                   | x                     | x            | x           | x          | x              | x                   | x                   | x                   | x                   | x                   | x                   | x                   | x                   |
|                                |           | x                   | x                     | x            | x           | x          | x              | x                   | x                   | x                   | x                   | x                   | x                   | x                   | x                   |
| Touch Panels 600 Advanced Line | Cortex A8 | x                   | x                     | x            | x           | x          | x              | x                   | x                   | x                   | x                   | x                   | x                   | x                   | x                   |
|                                |           | x                   | x                     | x            | x           | x          | x              | x                   | x                   | x                   | x                   | x                   | x                   | x                   | x                   |
|                                |           | x                   | x                     | x            | x           | x          | x              | x                   | x                   | x                   | x                   | x                   | x                   | x                   | x                   |
|                                |           | x                   | x                     | x            | x           | x          | x              | x                   | x                   | x                   | x                   | x                   | x                   | x                   | x                   |
| Touch Panels 600 Marine Line   | Cortex A8 | x                   | x                     | x            | x           | x          | x              | x                   | x                   | x                   | x                   | x                   | x                   | x                   | x                   |
|                                |           | x                   | x                     | x            | x           | x          | x              | x                   | x                   | x                   | x                   | x                   | x                   | x                   | x                   |
|                                |           | x                   | x                     | x            | x           | x          | x              | x                   | x                   | x                   | x                   | x                   | x                   | x                   | x                   |
|                                |           | x                   | x                     | x            | x           | x          | x              | x                   | x                   | x                   | x                   | x                   | x                   | x                   | x                   |

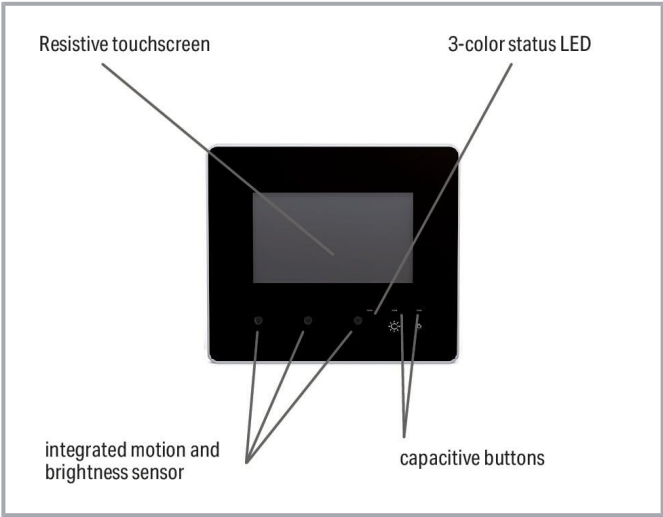
MC Master, S Slave; \*requires an additional license; \*\*requires an additional license (pre-processor: EC 6131 runtime environment; 600 license); \*\*\*WagoAppPiModbus Library



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                    | 10.9 cm (4.3 inches)                  |
| Display                             | Resistive touchscreen (black front)   |
| Display colors                      | 16 million colors                     |
| Graphics resolution                 | (480 x 272) px                        |
| Contrast ratio                      | 600:1                                 |
| Viewing angle (horizontal/vertical) | 80° / 80°                             |
| Brightness                          | 500 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 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                     | Resistive touch panel, two capacitive keys, proximity sensor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Supply voltage               | 24 VDC, SELV (18 ... 31.2 V); with reverse voltage protection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Operating power              | 6.0 W, without USB load; 11.5 W, with USB load                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

## Connection data

Connection technology: communication/fieldbus

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

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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) with three CAGE CLAMP® connections

## Physical data

|                      |                       |
|----------------------|-----------------------|
| Width                | 155 mm / 6.102 inches |
| Height               | 135 mm / 5.315 inches |
| Depth                | 78 mm / 3.070 inches  |
| Panel cutout (W x H) | (140 x 120) mm        |

## Mechanical Data

|        |       |
|--------|-------|
| Weight | 690 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                  | 4055143942294 |
| 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            |
|----------------------------------------------------------------------------------|------------------------------------------------------------------|--------------------------|-----------------------------|
|  | <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                                                               |                                                                                      |                                                                                    |  |
|  | <b>Item no.: 2759-208/211-1000</b><br>Library MTP; Single License; Online activation | <a href="http://www.wago.com/2759-208/211-1000">www.wago.com/2759-208/211-1000</a> |  |

### Memory card

|             |  |  |  |
|-------------|--|--|--|
| Memory card |  |  |  |
|-------------|--|--|--|

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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)

## Mounting

Mounting accessories



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

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

## 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

|                                   |  |                 |          |
|-----------------------------------|--|-----------------|----------|
| 762-6301/8000-002<br>docx - Datei |  | docx<br>19.9 kB | Download |
| 762-6301/8000-002<br>X81 - Datei  |  | xml<br>6.9 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

### CAD data

|                                |     |          |
|--------------------------------|-----|----------|
| 2D/3D Models 762-6301/8000-002 | URL | Download |
|--------------------------------|-----|----------|

### CAE data

|                                     |     |          |
|-------------------------------------|-----|----------|
| ZUKEN Portal 762-6301/8000-002      | URL | Download |
| EPLAN Data Portal 762-6301/8000-002 | URL | Download |

### Asset Administration Shell

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Asset Administration Shell 762-6301/8000-002

[URL](#) [Download](#)

Environmental Product Compliance

Compliance Search

|                                                                                                                         |                     |                          |
|-------------------------------------------------------------------------------------------------------------------------|---------------------|--------------------------|
| Environmental Product Compliance 762-6301/8000-002                                                                      | <a href="#">URL</a> | <a href="#">Download</a> |
| Touch Panel 600; 10.9 cm (4.3"); 480 x 272 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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