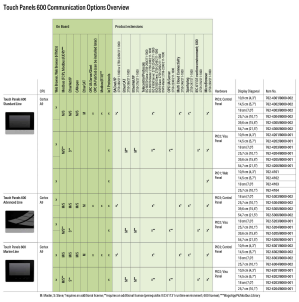
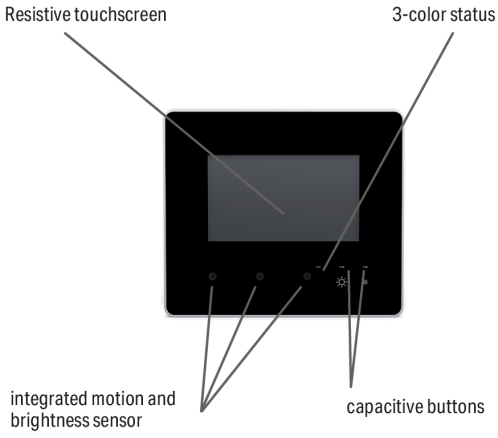
Data Sheet | Item Number: 762-6301/8000-002

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

https://www.wago.com/762-6301/8000-002







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
- 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

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/m²
Visualization	Web server Web-Visu Target Visu

Technical data

ETHERNET protocols	DHCP DNS FTP FTPS HTTP HTTPS SSH
Telecontrol protocols	IEC 60870 (additional license as slave or master) IEC 61850 (additional license as Client or Server) DNP3 (additional license as Slave or Master)
Communications	Web browser Web browser (HTML5) Modbus TCP master/slave Modbus (UDP), WagoAppPlcModbus Library Modbus (RTU), WagoAppPlcModbus Library ETHERNET EtherNet/IP™ Adapter (slave) EtherNet/IP™ Scanner CANopen EtherCAT® Master OPC UA Server/Client OPC UA Pub/Sub (can be installed later) MQTT RS-232 serial interface RS-485 interface BACnet/IP, **requires an additional license** Telecontrol protocols, **requires an additional license** 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 ***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	Resistive touch panel, two capacitive keys, proximity sensor
Supply voltage	24 VDC, SELV (18 … 31.2 V); with reverse voltage protection
Input current (typ.)	310 mA; without USB load; 575 mA; with USB load
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-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	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

Continued on next page

Mechanical data

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

Material data

Weight	680 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	Data-Act-AUT-Produkte-HMI

Commercial data

PU (SPU)	1 pcs
Packaging type	Box
Country of origin	DE
GTIN	4055143942294
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 GZO Almaty Standart	TP TC 020/2011	EAC CoC 03083
KC National Radio Research Agency	Article 58-2, Clause 3	MSIP-REM-W43-WBP762
UL 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 WAGO GmbH & Co. KG	-	-

Continued on next page

Approvals for marine applications

Approval	Standard	Certificate Name
DNV DNV Germany GmbH	-	TAA00001FS

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance
762-6301/8000-002

Documentation

Manual

Product Manual WAGO Touch Panel 600	1.7.0 16.08.2024	pdf 2490.86 KB	
Migrationsleitfaden von e!COCKPIT-Projekten zu CODESYS V3.5			

System Description

Touch Panel 600, system description	pdf 512.48 KB	

Additional Information

WAGO OPC UA Server	V 1.1.0 28.01.2021	pdf 1132.87 KB	

Bid Text

762-6301/8000-002	xml 6.75 KB	
762-6301/8000-002	docx 19.46 KB	

Application Notes

Application Note e!COCKPIT

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

CAD/CAE-Data

CAD data

2D/3D Models
762-6301/8000-002

CAE data

EPLAN Data Portal
762-6301/8000-002

ZUKEN Portal
762-6301/8000-002

Engineering-Software

Configuration and Commissioning Software			
WAGOupload	1.16.1.0 02.02.2022	zip 12111.45 KB	

Runtime Software

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