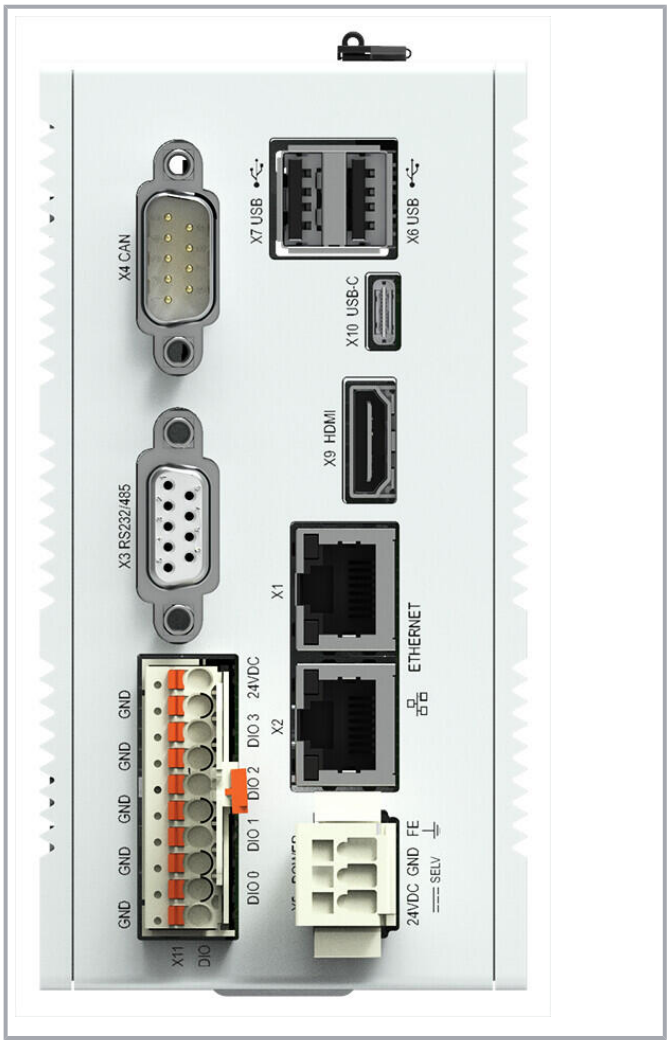
Data sheet | Item number: 752-8303/8000-002

Edge Controller; 2 x ETHERNET, 2 x USB, 1 x USB-C, HDMI, CAN, DI/DO, RS-232/485, Audio; Control

www.wago.com/752-8303_8000-002



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WAGO Kontakttechnik GmbH & Co. KG
Hansastr. 27
32423 Minden
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Email: info.de@wago.com | Web: www.wago.com

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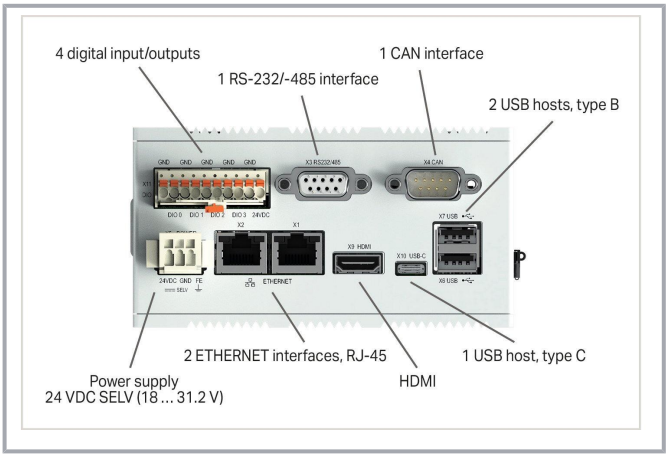

Data

Technical data

Communication	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
ETHERNET protocols	DHCP DNS FTP FTPS HTTP HTTPS SSH
Visualization	Web-Visu Web Visu

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	Target Visu
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 *e!COCKPIT* (based on CODESYS V3) up to Firmware Release 22
Baud rate (communication/fieldbus 1)	10/100 Mbit/s
Baud rate (communication/fieldbus 2)	1 MBd
Baud rate	ETHERNET: 10/100 Mbit/s; CAN: 1 MBd
Main memory (RAM)	2 GB, DDR3 SDRAM
Internal memory (flash)	4096 MB
Internal memory (flash)	4 GB, eMMC
Non-volatile hardware memory	128 Kbytes
Interfaces (USB)	2 x USB 2.0 socket, type A; 1 x USB OTG socket, type C
Onboard I/Os	4 x DIO, configurable
Indicators	3-color LED – red, green, blue; 4 x red/green LED
Supply voltage	24 VDC, SELV (18 … 31.2 V); LPS; with reverse voltage protection
Input current (max.) (24 V)	120 mA
Operating power	2.9 W, without USB load; 9.4 W, with USB load

Connection data

Connection technology: communication/fieldbus	ETHERNET: 2 x RJ-45; CANopen: 1 x D-sub 9 plug; RS-232/-485 interface: 1 x D-sub 9 socket

Physical data

Width	65 mm / 2.559 inches
Height	123 mm / 4.843 inches
Depth	115 mm / 4.528 inches

Mechanical Data

Weight	600 g
Housing material	Aluminum, powder-coated

Environmental requirements

Ambient temperature (operation)	-20 … +60 °C
Ambient temperature (storage)	-20 … +80 °C
Protection type	IP20
Relative humidity (without condensation)	90 %

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Mounting type	DIN-35 rail

Commercial data

ETIM 8.0	EC001413
Recupel Type	
PU (SPU)	1 pcs
Packaging type	BOX
Country of origin	DE
GTIN	4066966108996
Customs tariff number	84714100000

Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates

General approvals

Logo	Approval	Additional Approval Text	Certificate name
	KC National Radio Research Agency	Article 58-2, Clause 3	R-R-W43-EDGE752
	UL Underwriters Laboratories Inc. (ORDINARY LOCATIONS)	UL 61010-2-201	E175199

Declarations of conformity and manufacturer's declarations

Logo	Approval	Additional Approval Text	Certificate name
	EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Downloads

Documentation

Manual

Migration Guide	V 1.3.0 Jul 3, 2023	pdf 5.1 MB	Download

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Migration from e!COCKPIT projects to CODESYS V3.5			
Product Manual WAGO Edge Controller 2 x ETHERNET, 2 x USB, 1 x USB-C, HDMI, CAN, DI/DO, RS-232/485, Audio; Control	V 1.3.0 May 24, 2022	pdf 1.8 MB	Download
Product Manual OPC UA Mapping Editor	V 1.1.0 Mar 11, 2022	pdf 3.4 MB	Download
OPC_UA Mapping Editor Online Help HTML		URL	Download
Migrationsleitfaden von e!COCKPIT-Projekten zu CODESYS V3.5 Online Hilfe (HTML)		URL	Download

Bid Text

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752-8303/8000-002 docx - Datei		docx 30.7 kB	Download
ausschreiben.de 752-8303/8000-002		URL	Download

System Description

Edge Computing; General Product Information		pdf 224.4 kB	Download

Engineering-Software

WAGO Solution Builder

WAGO Solution Builder WAGO Solution Builder is a software solution that enables holistic and efficient building automation project engineering and can be used throughout the entire building life cycle. With WAGO Solution Builder, you can organize all of your own building automation projects on a web interface and, thanks to integrated device management, ensure that your project-specific WAGO controllers are always updated. Once downloaded, the software can be used for free during the launch phase until October 2023. After that, you can activate WAGO Solution Builder by purchasing a license key.		URL	Download

Configuration and Commissioning Software

WAGOupload	1.16.1.0 Feb 2, 2022	zip 12.4 MB	Download

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WAGOupload is a stand-alone PC software for transferring, backing up and restoring PLC applications on WAGO 750 Series controllers.

CODESYS V3 with WAGO DSP

CODESYS Development System V3 including WAGO Device Support Package — URL — Download

Have you not yet installed CODESYS Development System V3? Would you like to program WAGO controllers? Then you've come to the right place!

With CODESYS Development System V3, you program according to the IEC 61131-3 standard. The software enables graphical and textual programming. Create visualizations with the integrated visualization editor.

You benefit from several WAGO libraries that support your application.

You can find it in our WAGO Download Center:

- CODESYS V3.5.x, 64-bit
- WAGO-Plugins
- WAGO libraries
- Device firmware
- Device description for WAGO controllers
- ...as well as other WAGO tools and add-ons

WAGO DSP for CODESYS V3

WAGO Device Support Package for CODESYS Development System V3 — URL — Download

Have you already installed CODESYS Development System V3 (min. V3.5.17.3) and only need WAGO libraries and device descriptions for the WAGO controllers? Then you've come to the right place!

Use your CODESYS Development System V3 and expand it with the device descriptions of the WAGO controllers and several WAGO libraries.

You can find it in our WAGO Download Center:

- WAGO-Plugins
- WAGO libraries
- Device firmware
- Device descriptions for WAGO controllers
- ...sowie weitere WAGO-Tools und Add-ons

Runtime Software

Firmware

Image Update (SD Karte) Edge Controller WAGO_FW0752-8303_V031010_IX22_SP1_I	V 22 SP1 Dec 14, 2022	zip 220.8 MB	Download

WUP Update (WAGOuploadTool) Edge Controller

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WAGO_FW0752-8303_V031010_IX22_SP1_W	V 22 SP1 Dec 14, 2022	zip 218.8 MB	Download
Edge Controller Codesys V3.5 Firmware Edge Controller Codesys V3.5 Firmware		URL	Download

CAD/CAE-Data

CAD data

2D/3D Models 752-8303/8000-002	URL	Download

CAE data

ZUKEN Portal 752-8303/8000-002	URL	Download
EPLAN Data Portal 752-8303/8000-002	URL	Download

Asset Administration Shell

Asset Administration Shell 752-8303/8000-002	URL	Download

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 752-8303/8000-002 Edge Controller; 2 x ETHERNET, 2 x USB, 1 x USB-C, HDMI, CAN, DI/DO, RS-232/485, Audio; Control	URL	Download

Installation Notes

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