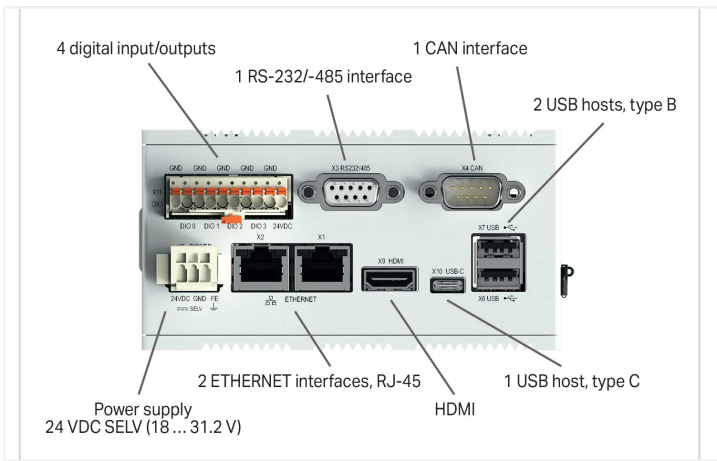
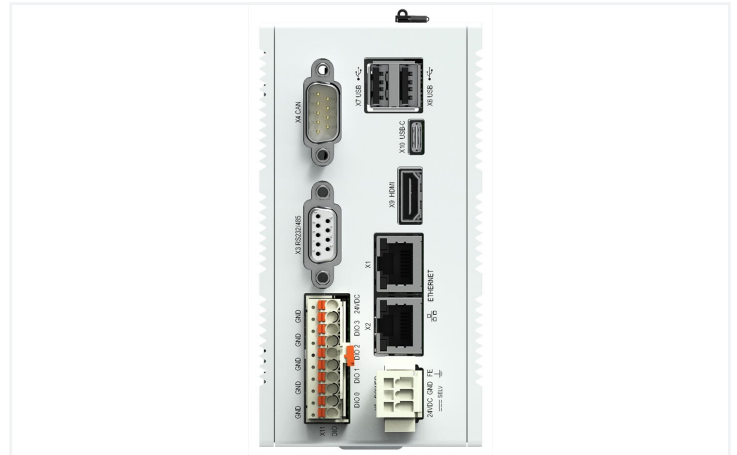


# Data Sheet | Item Number: 752-8303/8000-002

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

<https://www.wago.com/752-8303/8000-002>



## 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, <b>requires an additional license</b> Telecontrol protocols, <b>requires an additional license</b> MicroBrowser (including visualization of CODESYS V2.3), requires an additional license
ETHERNET protocols	DHCP DNS FTP FTPS HTTP HTTPS SSH
Visualization	Web-Visu 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

### Technical data

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)	4 GB, eMMC
Non-volatile hardware memory	128 KB
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
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### 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 %
Mounting type	DIN-35 rail
Fire load	0 MJ

### Commercial data

ETIM 8.0	EC001413
PU (SPU)	1 pcs
Country of origin	DE
GTIN	4066966108996
Customs tariff number	84714100000

Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption

### Approvals / Certificates

General approvals			Declarations of conformity and manufacturer's declarations		
 					
Approval	Standard	Certificate Name	Approval	Standard	Certificate Name
KC National Radio Research Agency	Article 58-2, Clause 3	R-R-W43-EDGE752	EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-
UL Underwriters Laboratories Inc. (ORDINARY LOCATIONS)	UL 61010-2-201	E175199			

### Downloads




Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 752-8303/8000-002	<a href="#">↓</a>

### Documentation


Manual				System Description	
Product Manual WAGO Edge Controller	V 1.3.0 24.05.2022	pdf 1788.39 KB	<a href="#">↓</a>	Edge Computing; General Product Information	pdf 219.09 KB <a href="#">↓</a>
Product Manual OPC UA Mapping Editor	V 1.1.0 11.03.2022	pdf 3314.23 KB	<a href="#">↓</a>		
OPC_UA Mapping Editor			<a href="#">↓</a>		
Migration Guide	V 1.3.0 03.07.2023	pdf 4938.74 KB	<a href="#">↓</a>		
Migrationsleitfaden von e!COCKPIT-Projekten zu CODESYS V3.5			<a href="#">↓</a>		

Bid Text		
752-8303/8000-002	xml 5.55 KB	<a href="#">↓</a>
752-8303/8000-002	docx 29.98 KB	<a href="#">↓</a>
ausschreiben.de 752-8303/8000-002		<a href="#">↓</a>


## CAD/CAE-Data

CAD data		CAE data	
2D/3D Models		EPLAN Data Portal	
752-8303/8000-002		752-8303/8000-002	
		ZUKEN Portal	
		752-8303/8000-002	

## Engineering-Software

Configuration and Commissioning Software			
WAGOupload	1.16.1.0 02.02.2022	zip 12111.45 KB	

## Runtime Software

Firmware			
Image Update (SD Karte) Edge Controller	V 22 SP1 14.12.2022	zip 215605.00 KB	
WUP Update (WAGOuploadTool) Edge Controller	V 22 SP1 14.12.2022	zip 213716.66 KB	