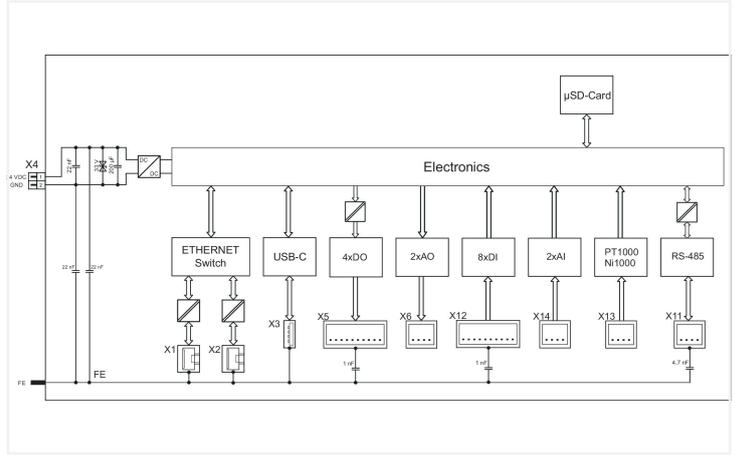
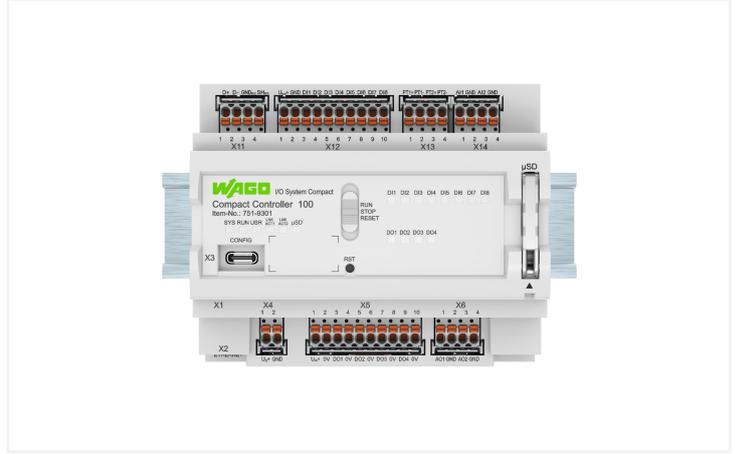
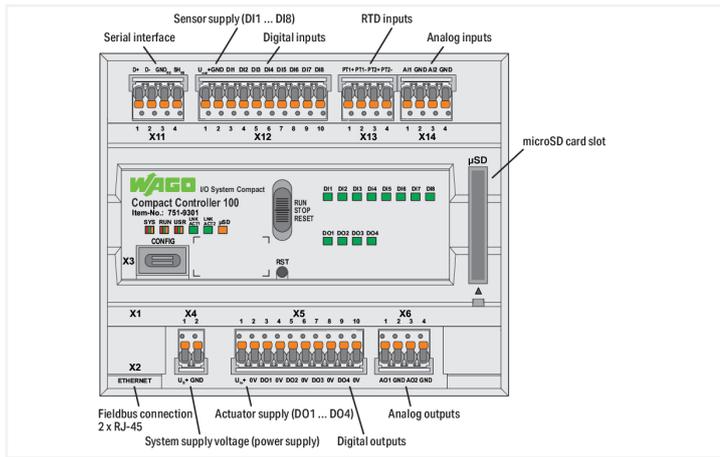


# Data Sheet | Item Number: 751-9301

Compact Controller 100; 8DI 4DO 2AI 2AO 2NI1K/PT1K 1RS485; 2 x ETHERNET; SD

<https://www.wago.com/751-9301>





The Compact Controller 100, with a real-time Linux® operating system, gives users maximum freedom. This compact device is freely programmable with CODESYS V3, but can also be used for IEC 61131-independent engineering, for instance with Node-RED, Python or C++. Later installation of Docker® as a virtualization environment is also straightforward. This addition makes the Compact Controller 100 a full-fledged IIoT device with gateway functionality. In this way, WAGO combines the requirements of two different domains within one device in the best possible way, bringing its expertise to bear where “automation meets IT.” Another advantage of the Compact Controller 100: Thanks to its design as a DIN-rail builtin installation device per DIN 43880, it can also be mounted in small distribution boards. The I/O unit is housed with the controller in a compact enclosure, so it requires no additional space for other control components. The wiring interface is removable, providing advantages for installation and commissioning.

### The Benefits for You:

- Quick, easy, flexible engineering
- Controller with real-time Linux® operating system
- Compact controller with I/Os in a DIN-rail-mount device housing

**Approvals / Certificates**

**General approvals**



Approval	Standard	Certificate Name
EAC GZO Almaty Standart	TP TC 020/2011	EAC CoC 03083
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	-	-
UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-

**Approvals for marine applications**



Approval	Standard	Certificate Name
BSH Bundesamt fuer Seeschifffahrt und Hydrographie	-	1155
DNV DNV GL SE	DNV-CG-0339, Aug. 2021	DNV TAA00003G6

**Downloads**

**Environmental Product Compliance**

Compliance Search
Environmental Product Compliance 751-9301 <a href="#">↓</a>

**Documentation**

Manual			
Product manual WAGO Device Manager	1552525323   1   en-US   2024-12-06 15:15   13.12.2024	pdf 4556.30 KB	<a href="#">↓</a>
Product Manual Compact Controller 100	1.7.0   16.08.2024	pdf 2190.55 KB	<a href="#">↓</a>

System Description	
Compact Controller 100, Allgemeine Produktinformationen	pdf 238.31 KB <a href="#">↓</a>

Bid Text		
751-9301	xml 8.82 KB	<a href="#">↓</a>
751-9301	docx 29.96 KB	<a href="#">↓</a>

## CAD/CAE-Data

### CAD data

2D/3D Models  
751-9301



## Engineering-Software

### Configuration and Commissioning Software

CODESYS V3.5 png  
315.13 KB

WAGOupload zip  
12111.45 KB

## Runtime Software

### Firmware

0751-9301, Compact Controller 100 V 23  
30.11.2022 zip  
97394.03 KB

751-9301; Compact Controller 100 V 23  
30.11.2022 zip  
96534.07 KB

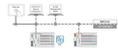
## 1 Compatible Products

### 1.1 Product Expansions

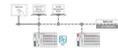
#### 1.1.1 Runtime software



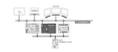
[Item No.: 2759-2283/211-1000](#)  
Runtime; BACnet; 300; M; Single License; Online activation



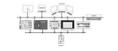
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Runtime; BACnet; 300; S; Single License; Online activation



[Item No.: 2759-283/211-1000](#)  
Runtime; BACnet; 300; Single License; Online activation



[Item No.: 2759-2293/211-1000](#)  
Runtime; DNP3 Master; M; Single License; Online activation



[Item No.: 2759-2290/211-1000](#)  
Runtime; DNP3 Slave; Single License; Online activation



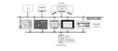
[Item No.: 2759-293/211-1000](#)  
Runtime; IEC60870 Master; M; Single License; Online activation



[Item No.: 2759-290/211-1000](#)  
Runtime; IEC60870 Slave; Single License; Online activation



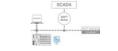
[Item No.: 2759-2243/211-1000](#)  
Runtime; IEC61850 Client; M; Single License; Online activation



[Item No.: 2759-2240/211-1000](#)  
Runtime; IEC61850 Server; 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

#### 1.1.2 Software Application



[Item No.: 8101-2000/000-025](#)  
Application Load Management; Basic Software

## 1.2 Optional Accessories

### 1.2.1 Female connector

#### 1.2.1.1 Female connector/socket



**Item No.: 2091-1130**

1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm<sup>2</sup>; Pin spacing 3.5 mm; 10-pole; 1,50 mm<sup>2</sup>; light gray



**Item No.: 2091-1110/002-000**

1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm<sup>2</sup>; Pin spacing 3.5 mm; 10-pole; Gripping plate sliding connector release; 1,50 mm<sup>2</sup>; light gray



**Item No.: 2091-1110**

1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm<sup>2</sup>; Pin spacing 3.5 mm; 10-pole; Gripping plate; 1,50 mm<sup>2</sup>; light gray



**Item No.: 2091-1122**

1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm<sup>2</sup>; Pin spacing 3.5 mm; 2-pole; 1,50 mm<sup>2</sup>; light gray



**Item No.: 2091-1102/002-000**

1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm<sup>2</sup>; Pin spacing 3.5 mm; 2-pole; Gripping plate sliding connector release; 1,50 mm<sup>2</sup>; light gray



**Item No.: 2091-1102**

1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm<sup>2</sup>; Pin spacing 3.5 mm; 2-pole; Gripping plate; 1,50 mm<sup>2</sup>; light gray



**Item No.: 2091-1124**

1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm<sup>2</sup>; Pin spacing 3.5 mm; 4-pole; 1,50 mm<sup>2</sup>; light gray



**Item No.: 2091-1104/002-000**

1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm<sup>2</sup>; Pin spacing 3.5 mm; 4-pole; Gripping plate sliding connector release; 1,50 mm<sup>2</sup>; light gray



**Item No.: 2091-1104**

1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm<sup>2</sup>; Pin spacing 3.5 mm; 4-pole; Gripping plate; 1,50 mm<sup>2</sup>; light gray

### 1.2.2 Memory card

#### 1.2.2.1 Memory card



**Item No.: 758-879/000-3102**

Memory Card SD Micro; 2 GByte



**Item No.: 758-879/000-3108**

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

### 1.2.3 Tool

#### 1.2.3.1 Operating tool



**Item No.: 2092-1630**

Unlocking tool; orange