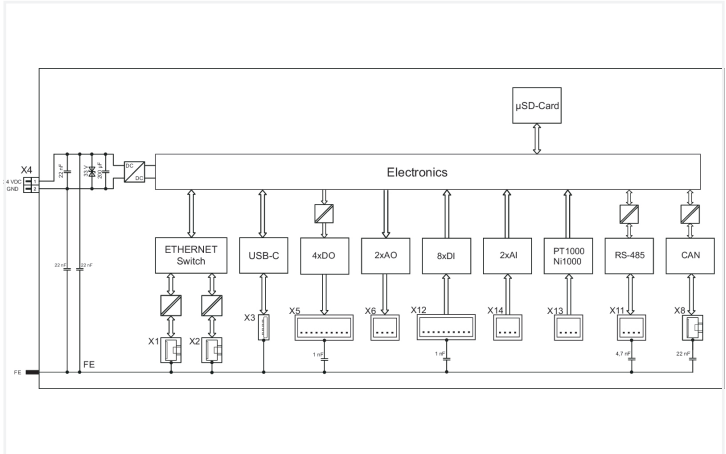
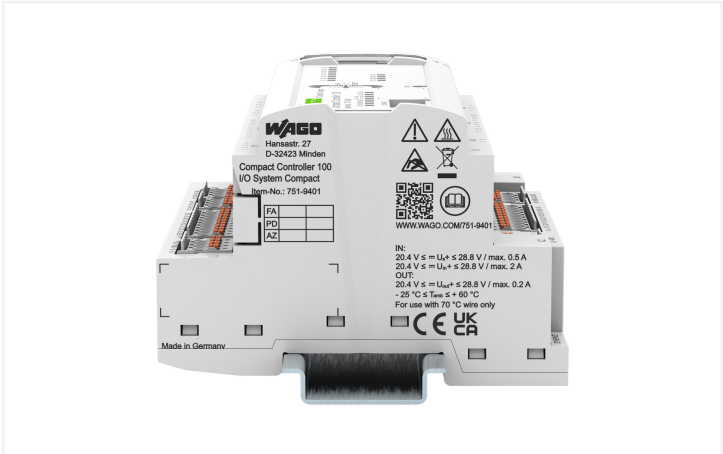
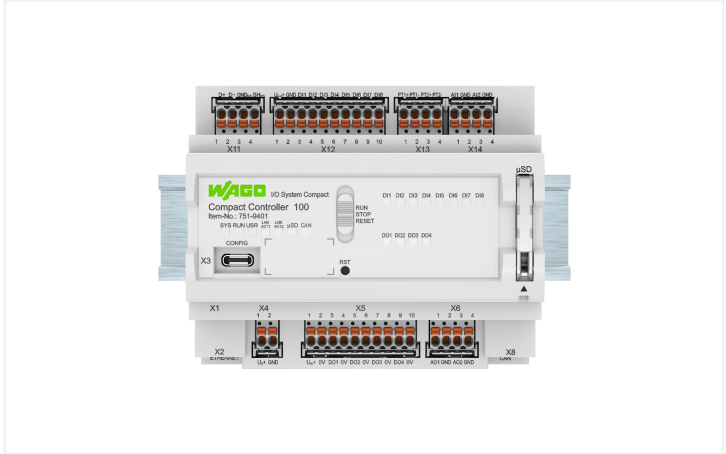
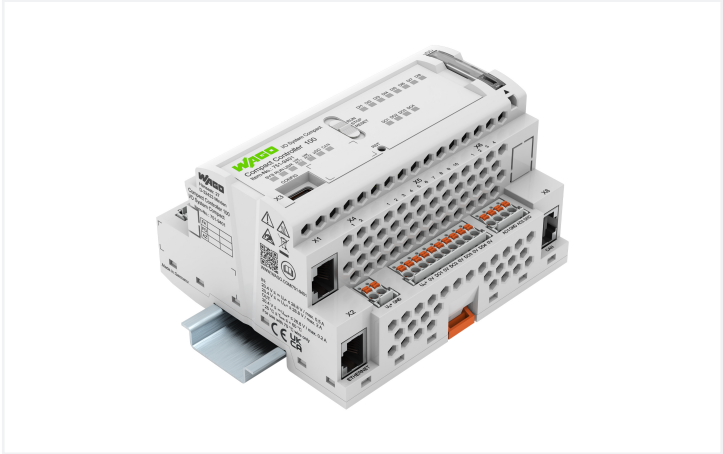
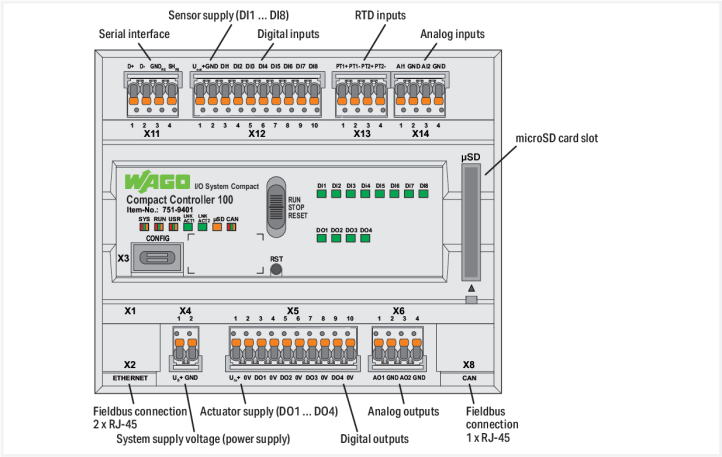






Technical data	
Communications	Modbus (TCP, UDP) EtherCAT® Master EtherNet/IP™ Adapter (slave) EtherNet/IP™ Scanner CANopen Modbus RTU OPC UA Server/Client OPC UA Pub/Sub (can be installed later) MQTT RS-485 interface BACnet/IP, requires an additional license Telecontrol protocols, requires an additional license
ETHERNET protocols	DHCP DNS NTP FTP FTPS SNMP 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)
Visualization	Web-Visu
Operating system	Real-time Linux (with PREEMPT_RT patch)
CPU	2 x Cortex A7; 650 MHz
Programming languages per IEC 61131-3	Instruction List (IL) Ladder Diagram (LD) Function Block Diagram (FBD) Continuous Function Chart (CFC) Structured Text (ST) Sequential Function Chart (SFC)
Programming environment	CODESYS V3.5 Node RED
Configuration options	CODESYS V3.5 Ethernet Settings Web-Based Management WAGOupload WAGO Solution Builder
Transmission rate	10/100 Mbit/s
Transmission medium (communication/fieldbus)	Twisted pair S-UTP; 100 Ω; Cat. 5; 100 m maximum cable length
Main memory (RAM)	512 MB
Internal memory (flash)	4096 MB
Non-volatile hardware memory	128 KB
Program memory	32 MB
Data memory	128 MB
Non-volatile software memory	128 KB
Type of memory card	microSD up to 32 GB (all guaranteed properties only valid with WAGO's memory card)
Memory Card Slot	Push-push mechanism
Indicators	LED (SYS, RUN, CAN), red/green: system status, CANopen; LED (USR) red/green: status programmable by user (can be used via CODESYS library); LED (μSD) orange: microSD status; LED (LNK/ACT) green: network connection via ports 1 ... 2; LED (DI1 ... 8) green: status of inputs; LED (DO1 ... 4) green: status of outputs
Control Elements	Operating mode switch (RUN, STOP, RESET); reset button
Supply voltage (system)	24 VDC (-15 ... +20 %); Via wiring interface (<i>picoMAX</i> ® 3.5; Push-in CAGE CLAMP® connection)
Current consumption (system) max.	500 mA
Supply voltage (field)	24 VDC (-15 ... +20 %); Via wiring interface (<i>picoMAX</i> ® 3.5; Push-in CAGE CLAMP® connection)
Field current consumption max. (digital outputs) $U_{in}+$	2000 mA
Isolation	1250 V (DC 1 min., between system and field level (digital outputs))



Technical Data (Inputs/Outputs)

Digital inputs	
Number of digital inputs	8
Input characteristic	Type 3 (per EN 61131-2)

Digital Outputs	
Number of digital outputs	4
Output current (per channel)	500 mA (DC)
Output current	short-circuit-protected

Analog inputs	
Number of analog inputs	2
Resolution of analog inputs	16 bits
Input signal (voltage)	0 ... 10 V

Analog Outputs	
Number of analog outputs	2
Resolution of analog outputs	12 bits
Output signal (voltage)	0 ... 10 V
Load impedance (voltage output)	≥ 5 kΩ

RTD inputs	
Number of measurement inputs	2
Temperature range	-60 ... 350 °C, Pt1000, Ni1000

Connection data	
Connection technology: communication/fieldbus	Modbus (TCP, UDP): 2 x RJ-45; CANopen: 1 x RJ-45; RS-485 interface: 1 x Female connector, 4-pole; Push-in CAGE CLAMP®
Connection technology: system supply	1 x Female connector, 2-pole; Push-in CAGE CLAMP®
Connection technology: field supply	2 x Female connector, 10-pole; Push-in CAGE CLAMP®
Connectable conductor materials	Copper
Solid conductor	0.2 ... 1.5 mm² / 24 ... 14 AWG
Fine-stranded conductor	0.2 ... 1.5 mm² / 24 ... 14 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inches

Physical data	
Width	108 mm / 4.252 inches
Height	90 mm / 3.543 inches
Depth from upper-edge of DIN-rail	55 mm / 2.165 inches

Mechanical data	
Mounting type	DIN-35 rail

Material data	
Housing material	Polycarbonate, polyamid
Fire load	0 MJ
Weight	206 g
Conformity marking	CE; UKCA



Environmental requirements	
Ambient temperature (operation)	-25 ... +60 °C
Ambient temperature (storage)	-25 ... +85 °C
Protection type	IP20
Pollution degree	2 per IEC 61131-2
Operating altitude	0 ... 2000 m / 0 ... 6562 ft
Mounting position	any
Relative humidity (without condensation)	95 %
Vibration resistance	1g per IEC 60068-2-6
Shock resistance	15g per IEC 60068-2-27
EMC immunity to interference	per EN 61000-6-2
EMC emission of interference	per EN 61000-6-3

Commercial data	
PU (SPU)	1 pcs
Packaging type	Box
Country of origin	DE
GTIN	4066966380774
Customs tariff number	85371091990

Product Classification	
UNSPSC	32151705
ETIM 9.0	EC000236
ETIM 8.0	EC000236
ECCN	NO US CLASSIFICATION

Environmental Product Compliance	
RoHS Compliance Status	Compliant,No Exemption
SCIP notification number (Austria)	86e5c3bf-722c-499e-839e-1b7c9ceb90a0
SCIP notification number (Belgium)	1c130df3-1af3-4026-b68b-d2b2dd9ac206
SCIP notification number (Bulgaria)	f7c12138-67d4-466f-86a6-b54db5467b82
SCIP notification number (Czech Republic)	4cfbea18-7954-43cb-adcd-09a9fe2568e0
SCIP notification number (Denmark)	ca718019-e88d-45e1-8fa2-559e3c2d04f4
SCIP notification number (Finland)	798a435e-4a97-4216-8fe9-20f5430ef25e
SCIP notification number (France)	ce11ad54-070d-4f71-84d7-50809952fa5d
SCIP notification number (Germany)	de0cb9d8-d49e-4d06-a5b5-cf1c911310fc
SCIP notification number (Hungary)	db279067-35cd-4485-ae4a-2c9a74419522
SCIP notification number (Italy)	e96f2962-250d-48ba-bb08-80ae2841dd96
SCIP notification number (Netherlands)	b5490f7d-914b-4a5a-9413-33f5badf5aa8
SCIP notification number (Poland)	f4a980a7-3b60-46a9-9b91-fb1bddb9f024
SCIP notification number (Romania)	a8485261-98d5-4eda-bdd8-79a3b5422685
SCIP notification number (Sweden)	535d0a96-6b5a-448b-8373-647baec5a45e



Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
EAC GZO Almaty Standart	TP TC 020/2011	EAC CoC 03083

Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate Name
EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-

Approvals for marine applications



Approval	Standard	Certificate Name
BSH Bundesamt fuer See- schifffahrt und Hydrogra- phie	-	1155
DNV DNV GL SE	DNV-CG-0339,Aug.2021	DNV TAA00003G6

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 751-9401



Documentation

Manual
Product Manual Com- pact Controller 100
1.2.0 16.08.2024
pdf 2363.94 KB
Product manual WAGO Device Manager
1552525323 2 en-US 2025-07-29 14:23 29.08.2025
pdf 2460.70 KB

Bid Text
751-9401
x81 9.08 KB
751-9401
docx 41.88 KB

CAD/CAE-Data

CAD data
2D/3D Models 751-9401





Engineering-Software		
Configuration and Commissioning Software		
CODESYS V3.5	png 315.13 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	 Item No.: 2759-2273/211-1000 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; On-line 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 mm²; Pin spacing 3.5 mm; 10-pole; 1,50 mm²; light gray	 Item No.: 2091-1110/002-000 1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 10-pole; Gripping plate sliding connector release; 1,50 mm²; light gray	 Item No.: 2091-1110 1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 10-pole; Gripping plate; 1,50 mm²; light gray	 Item No.: 2091-1122 1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 2-pole; 1,50 mm²; light gray
 Item No.: 2091-1102/002-000 1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 2-pole; Gripping plate sliding connector release; 1,50 mm²; light gray	 Item No.: 2091-1102 1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 2-pole; Gripping plate; 1,50 mm²; light gray	 Item No.: 2091-1124 1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 4-pole; 1,50 mm²; light gray	 Item No.: 2091-1104/002-000 1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 4-pole; Gripping plate sliding connector release; 1,50 mm²; light gray
 Item No.: 2091-1104 1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 4-pole; Gripping plate; 1,50 mm²; light gray			

1.2.2 Interface module

1.2.2.1 Interface module



Item No.: 289-178
Interface module; RJ-45; with power jumper contacts; PCB terminal blocks; Cat. 5; in mounting carrier; with shield connection; with shield clamping saddle; 1,50 mm²

1.2.3 Memory card

1.2.3.1 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

1.2.4 Tool

1.2.4.1 Operating tool



Item No.: 2092-1630
Unlocking tool; orange