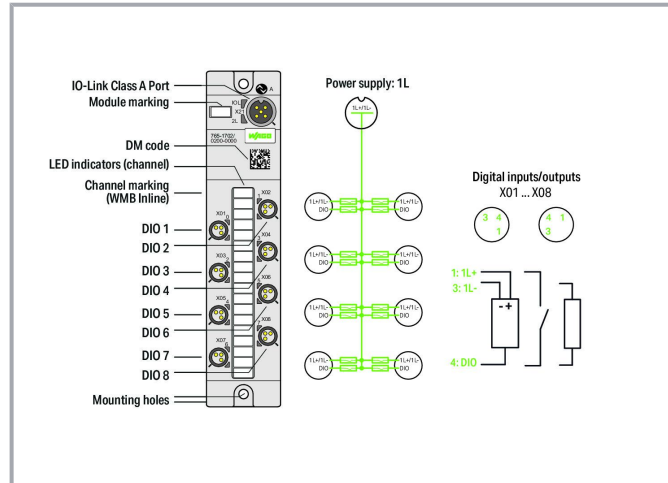


Data sheet | Item number: 765-1702/200-000

8-channel digital input/output; IO Link Class A Hub; DC 24 V / 2.0 A; 8xM8 connection; HubLine

www.wago.com/765-1702/200-000



Item description

Einsatzbereich:

Dezentrale Vorverarbeitung und Konvertierung/Ausgabe von Digitalsignalen

Das Gerät dient zur Ansteuerung von digitalen Feldgeräten (z.B. Aktoren) und zur Erfassung von digitalen Signalen (z.B. von Sensoren), die von einem übergeordneten IO-Link-Master gesendet bzw. empfangen werden. Das Gerät ist als Class-A-Hub ausgelegt, und hat 8 digitale Ein-/Ausgänge.

IO-Link:

Das Gerät verfügt über eine IO-Link-Kommunikationsschnittstelle, die für die Zusammenarbeit einen IO-Link-Master voraussetzt.

Die IO-Link-Schnittstelle ermöglicht den direkten Zugriff auf die Prozess- und Diagnosedaten und bietet die Möglichkeit, die Parameter des Gerätes während des Betriebs einzustellen.

Die IODD kann auch über den IODDfinder <https://ioddfinder.io-link.com> heruntergeladen werden.

Data

Technical data

Subject to changes. Please also observe the further product documentation!

WAGO GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
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IO-Link

Communication	IO-Link slave (class A)
Connection technology: communication/fieldbus	1 x A-coded M12; 5-pole

Device functions

Parameter	Input filter Output current Temperature
Diagnostics	Undervoltage; overcurrent; overload; overtemperature

Digital inputs/outputs

Number of digital inputs	8
Number of digital outputs	8
Connection technology: inputs/outputs	8 x M8; 3-pole
Signal type (voltage)	24 VDC
Input characteristic	high-side switching
Input filter	0.2 ... 20 ms
Input characteristic	Type 3, per IEC 61131-2
Output current (per channel)	2 A

Power supply

Connection technology: supply	1 x A-coded M12; 5-pole; via IO-Link port (1L)
Supply voltage	24 VDC (18 ... 31.2 V); 1L
Current consumption (max.)	4000 mA
Current consumption (note)	1L: 0.2 A + load current
Reverse voltage protection	Yes

Physical data

Width	35 mm / 1.378 inches
Height	30 mm / 1.181 inches
Depth	158.5 mm / 6.24 inches

Mechanical Data

Weight	120 g
Conformity marking	CE

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Environmental requirements

Ambient temperature (operation)	-25 ... +70 °C
Ambient temperature (storage)	-40 ... +80 °C
Protection type	IP67
Protection class	III per EN 61140, IEC 61140, VDE 0140-1
Operating altitude	0 ... 2000 m / 0 ... 6562 ft
Pollution degree	3 (EN 60664-1)
Overvoltage category	II (EN 60664-1)
Vibration resistance	5g per IEC 60068-2-6
Shock resistance	Short-term: 50g/11 ms/half-sine per IEC 60068-2-27; Long-term: 30g/6 ms/half-sine per IEC 60068-2-29
EMC immunity to interference	per EN 61000-6-2
EMC emission of interference	per EN 61000-6-4

Commercial data

ETIM 8.0	EC001599
ETIM 7.0	EC001599
Recupel Type	
PU (SPU)	1 pcs
Packaging type	Box
Country of origin	DE
GTIN	4055143950039
Customs tariff number	85371098990

Environmental Product Compliance

CAS-No.	7439-92-1
REACH Candidate List Substance	Lead
RoHS Compliance Status	Compliant, With Exemption
RoHS Exemption	6(c) 7(a) 7(c)-I
SCIP notification number (Austria)	e8af65b7-d793-4bd2-9153-6b40e2a0d56c
SCIP notification number (Belgium)	9927fd1d-4496-40e6-b786-6b38c7a491e6
SCIP notification number (Bulgaria)	765335f0-f63d-42af-b1fd-60a83ce890e1
SCIP notification number (Czech Republic)	9a1ac26e-aea7-45cc-8e10-c8c1341cf8e5
SCIP notification number (Denmark)	cef5e82d-a723-4e29-8981-7d5daf134129
SCIP notification number (Finland)	99716129-e74d-4c0e-8839-dcfd54d2253e

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SCIP notification number (France)	ca295d14-eb71-4e95-8c7f-677622d1ae92
SCIP notification number (Germany)	6b5f9313-ae6b-4446-9601-1ba2022ff3c6
SCIP notification number (Hungary)	2c420d3e-5475-493a-96ad-3efd31c509b7
SCIP notification number (Italy)	5162beff-6fb0-493a-a808-834629dfe9be
SCIP notification number (Netherlands)	90f0eb27-2dbc-4d75-a8a4-574b7e6af59f
SCIP notification number (Poland)	864308a4-45e0-45cd-843a-45a4ab40c013
SCIP notification number (Romania)	d3942520-e29a-4bf4-a311-705ae55bf093
SCIP notification number (Sweden)	ff8718df-c895-46c6-b655-bfd2847575bb

Approvals / Certificates

General approvals

Logo	Approval	Additional Approval Text	Certificate name
	KC National Radio Research Agency	Article 58-2, Clause 3	KC R-R-W43-IOLH765
	UL Underwriters Laboratories Inc. (ORDINARY LOCATIONS)	-	E175199

Declarations of conformity and manufacturer's declarations

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

Required accessories

Marking accessories

Marking strip		
	Item no.: 2009-110 Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white	www.wago.com/2009-110
Marker		
	Item no.: 2009-115 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white	www.wago.com/2009-115

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Cover

Cover		
	Item no.: 756-8103 M12 protective cap; for unused plugs	www.wago.com/756-8103
	Item no.: 756-8101 M8 protective cap; for unused sockets	www.wago.com/756-8101

Tool

Assembly tool		
	Item no.: 206-701 Torque wrench M8 and M12; Assembly kit	www.wago.com/206-701

Optional accessories

Cables and pluggable connectors

Sensor/actuator cable		
	Item no.: 756-5402/050-010 Sensor/Actuator cable; M12A socket; straight; M12A plug; angled; 5-pole; Length: 1 m	www.wago.com/756-5402/050-010
	Item no.: 756-5501/030-020 Sensor/Actuator cable; M12A socket; straight; M8 plug; straight; 3-pole; Length: 2 m	www.wago.com/756-5501/030-020
	Item no.: 756-5502/030-010 Sensor/Actuator cable; M12A socket; straight; M8 plug; angled; 3-pole; Length: 1 m	www.wago.com/756-5502/030-010
	Item no.: 756-5502/030-020 Sensor/Actuator cable; M12A socket; straight; M8 plug; angled; 3-pole; Length: 2 m	www.wago.com/756-5502/030-020
	Item no.: 756-5503/030-010 Sensor/Actuator cable; M12A socket; angled; M8 plug; straight; 3-pole; Length: 1 m	www.wago.com/756-5503/030-010
	Item no.: 756-5503/030-020 Sensor/Actuator cable; M12A socket; angled; M8 plug; straight; 3-pole; Length: 2 m	www.wago.com/756-5503/030-020
	Item no.: 756-5301/050-015 Sensor/Actuator cable; M12A socket; straight; 5-pole; Length: 1.5 m	www.wago.com/756-5301/050-015
	Item no.: 756-5111/030-015 Sensor/Actuator cable; M8 plug; straight; 3-pole; Length: 1.5 m	www.wago.com/756-5111/030-015

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**Item no.: 756-5111/030-050**

Sensor/Actuator cable; M8 plug; straight; 3-pole; Length: 5 m

www.wago.com/756-5111/030-050**Item no.: 756-5111/030-100**

Sensor/Actuator cable; M8 plug; straight; 3-pole; Length: 10 m

www.wago.com/756-5111/030-100**Item no.: 756-5112/030-100**

Sensor/Actuator cable; M8 plug; angled; 3-pole; Length: 10 m

www.wago.com/756-5112/030-100**Item no.: 756-5112/030-015**

Sensor/Actuator cable; M8 plug; angled; 3-pole; Length: 1.5 m

www.wago.com/756-5112/030-015**Item no.: 756-5112/030-050**

Sensor/Actuator cable; M8 plug; angled; 3-pole; Length: 5 m

www.wago.com/756-5112/030-050**Item no.: 756-5302/050-050**

Sensor/Actuator cable; M12A socket; angled; 5-pole; Length: 5 m

www.wago.com/756-5302/050-050**Item no.: 756-5302/050-100**

Sensor/Actuator cable; M12A socket; angled; 5-pole; Length: 10 m

www.wago.com/756-5302/050-100**Item no.: 756-5404/050-020**

Sensor/Actuator cable; M12A socket; angled; M12A plug; angled; 5-pole; Length: 2 m

www.wago.com/756-5404/050-020**Item no.: 756-5404/050-010**

Sensor/Actuator cable; M12A socket; angled; M12A plug; angled; 5-pole; Length: 1 m

www.wago.com/756-5404/050-010**Item no.: 756-5201/030-010**

Sensor/Actuator cable; M8 socket; straight; M8 plug; straight; 3-pole; Length: 1 m

www.wago.com/756-5201/030-010**Item no.: 756-5201/030-020**

Sensor/Actuator cable; M8 socket; straight; M8 plug; straight; 3-pole; Length: 2 m

www.wago.com/756-5201/030-020**Item no.: 756-5202/030-020**

Sensor/Actuator cable; M8 socket; straight; M8 plug; angled; 3-pole; Length: 2 m

www.wago.com/756-5202/030-020**Item no.: 756-5202/030-010**

Sensor/Actuator cable; M8 socket; straight; M8 plug; angled; 3-pole; Length: 1 m

www.wago.com/756-5202/030-010

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WAGO GmbH & Co. KG

Hansastr. 27

32423 Minden

Phone: +49571 887-0 | Fax: +49571 887-169

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	Item no.: 756-5203/030-010 Sensor/Actuator cable; M8 socket; angled; M8 plug; straight; 3-pole; Length: 1 m	www.wago.com/756-5203/030-010
	Item no.: 756-5203/030-020 Sensor/Actuator cable; M8 socket; angled; M8 plug; straight; 3-pole; Length: 2 m	www.wago.com/756-5203/030-020
	Item no.: 756-5302/050-015 Sensor/Actuator cable; M12A socket; angled; 5-pole; Length: 1.5 m	www.wago.com/756-5302/050-015
	Item no.: 756-5204/030-020 Sensor/Actuator cable; M8 socket; angled; M8 plug; angled; 3-pole; Length: 2 m	www.wago.com/756-5204/030-020
	Item no.: 756-5204/030-010 Sensor/Actuator cable; M8 socket; angled; M8 plug; angled; 3-pole; Length: 1 m	www.wago.com/756-5204/030-010
	Item no.: 756-5501/030-010 Sensor/Actuator cable; M12A socket; straight; M8 plug; straight; 3-pole; Length: 1 m	www.wago.com/756-5501/030-010
	Item no.: 756-5402/050-020 Sensor/Actuator cable; M12A socket; straight; M12A plug; angled; 5-pole; Length: 2 m	www.wago.com/756-5402/050-020
	Item no.: 756-5403/050-020 Sensor/Actuator cable; M12A socket; angled; M12A plug; straight; 5-pole; Length: 2 m	www.wago.com/756-5403/050-020
	Item no.: 756-5403/050-010 Sensor/Actuator cable; M12A socket; angled; M12A plug; straight; 5-pole; Length: 1 m	www.wago.com/756-5403/050-010
	Item no.: 756-5301/050-100 Sensor/Actuator cable; M12A socket; straight; 5-pole; Length: 10 m	www.wago.com/756-5301/050-100
	Item no.: 756-5301/050-050 Sensor/Actuator cable; M12A socket; straight; 5-pole; Length: 5 m	www.wago.com/756-5301/050-050
	Item no.: 756-5401/050-010 Sensor/Actuator cable; M12A socket; straight; M12A plug; straight; 5-pole; Length: 1 m	www.wago.com/756-5401/050-010
	Item no.: 756-5401/050-020 Sensor/Actuator cable; M12A socket; straight; M12A plug; straight; 5-pole; Length: 2 m	www.wago.com/756-5401/050-020

Subject to changes. Please also observe the further product documentation!

**Item no.: 756-5504/030-010**

Sensor/Actuator cable; M12A socket; angled; M8 plug; angled; 3-pole; Length: 1 m

www.wago.com/756-5504/030-010**Item no.: 756-5504/030-020**

Sensor/Actuator cable; M12A socket; angled; M8 plug; angled; 3-pole; Length: 2 m

www.wago.com/756-5504/030-020**Configurable connector****Item no.: 756-9102/030-000**

Fitted pluggable connector; 3-pole; M8 plug, straight; IDC technology

www.wago.com/756-9102/030-000**Item no.: 756-9105/030-000**

Fitted pluggable connector; 3-pole; M8 plug, right angle; IDC technology

www.wago.com/756-9105/030-000**Downloads****Documentation****Manual**Product Manual 8-Channel Digital Input/Output; IO-Link Class A Hub
DC 24 V / 2.0 A; 8xM8 Connection; HubLineV 2.0.0
2022 Jul 19pdf
3.7 MB[Download](#)**Instruction Leaflet**

I/O System Field package insert

2021 Dec 15

pdf
1.1 MB[Download](#)**System Description**

WAGO I/O System Field; General Product Information

pdf
1.0 MB[Download](#)**Engineering-Software****Desktop Application**

WAGO IO-Link Configurator

URL

[Download](#)

WAGO IO-Link Configurator allows configuration, parameterization, operation and monitoring of WAGO IO-Link Masters in the WAGO I/O System 750 and WAGO I/O System Field, and especially of the WAGO IO-Link devices connected to them.

Additionally, WAGO IO-Link Configurator can be used for complete configuration and operation of all IO-Link devices of third-party manufacturers, as long as they comply with the IO-Link specification. A product's process data can be visualized graphically and stored in trend curves. Up to eight elements can be selected for visualization, and the data can be recorded for up to 24 hours.

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Hansastr. 27

32423 Minden

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Device description files for the IO-Link Masters (IOLM) or IO-Link Devices (IODD) can be used to integrate new devices into the tool at any time. Convenient access to the IO-Link user organization's IODDfinder is available for the IODDs. This allows automated, selective download of IODDs when integrating new IO-Link devices. An integrated IODD viewer allows detailed insight into the IODD device description.

WAGO IO-Link Configurator can be used either as a standalone program or integrated into engineering systems with a TCI interface and *WAGO-I/O-CHECK*.

IO-Link Configurator can also be used to integrate the IO-Link Master (750-657) of the WAGO I/O System 750 Series and to access all the configurator's functions. This is made possible by the WAGO I/O System 750 IO-Link Adapter, which can be retrofitted. The WAGO I/O System 750 IO-Link Adapter requires the current version of WAGO IO-Link Configurator and a current version of *WAGO-I/O-CHECK*.

In addition, the download file contains the device descriptions for the respective fieldbus systems of the WAGO I/O System Field modules. These are pre-installed in the Configurator setup.

The WAGO IO-Link Configurator license is assigned to the specific PC on which it is installed (a workstation license).

Register now and test our engineering software for 30 days at no cost.

Runtime Software

Firmware

0765-17xx, IO-Field	V 02	zip	Download
WAGO_FW0765_17xx_V01000010_IX02	2023 Feb 2	341.9 kB	

CAD/CAE-Data

CAD data

2D/3D Models 765-1702/200-000	URL	Download
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CAE data

ZUKEN Portal 765-1702/200-000	URL	Download
EPLAN Data Portal 765-1702/200-000	URL	Download

Asset Administration Shell

Asset Administration Shell 765-1702/200-000	URL	Download
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Device Files

Device Description File

IODD 765-1702/200-000

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V1.0.0.10
2021 Apr 12

zip
50.1 kB

Download

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 765-1702/200-000	URL	Download
8-channel digital input/output; IO Link Class A Hub; DC 24 V / 2.0 A; 8xM8 connection; HubLine		

Installation Notes

Product family

WAGO I/O System Field
[Show all products from the family](#)

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