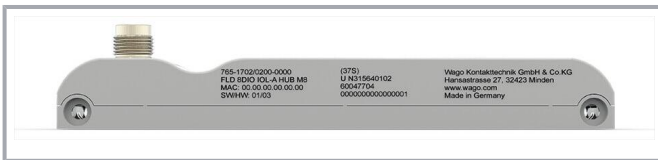
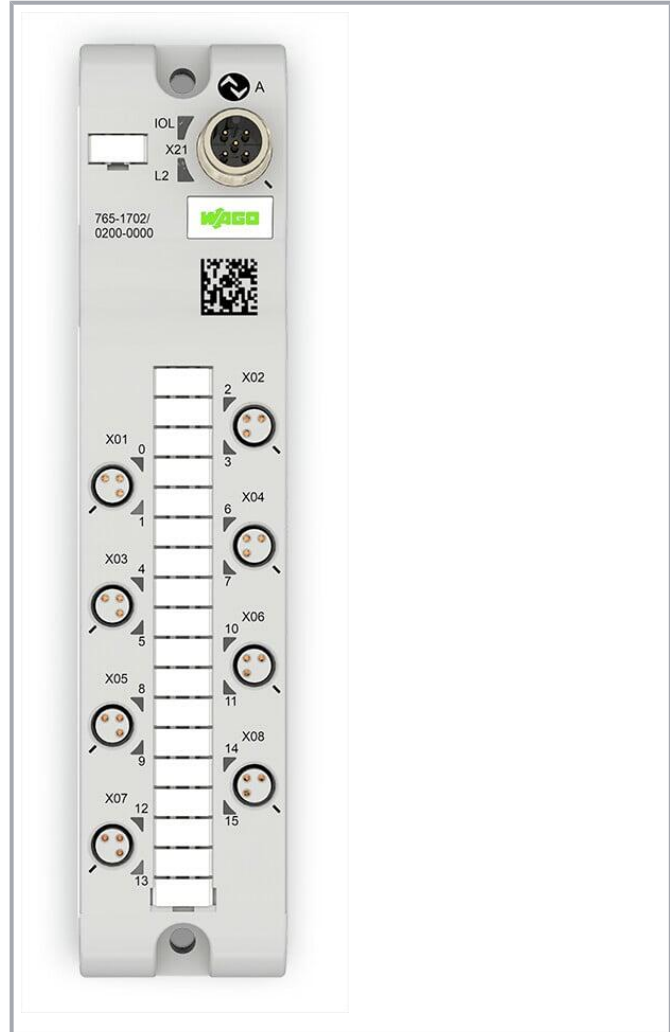


Data sheet | Item number: 765-1702/200-000

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



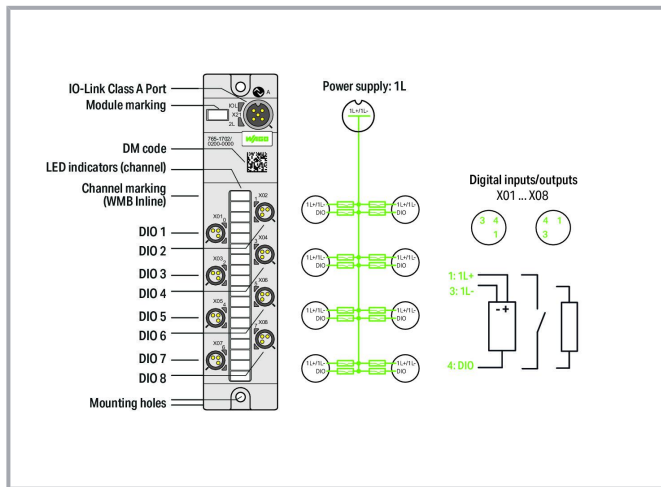
[www.wago.com/765-1702/200-000](http://www.wago.com/765-1702/200-000)



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## Item description

Application:

Decentralized preprocessing and conversion/output of digital signals

This device records and controls digital field device signals (e.g., from sensors and actuators) that are received or sent from a higher-level IO-Link master. The device is designed as a Class A hub and has eight digital inputs/outputs.

IO-Link:

The device has an IO-Link communication interface that requires an IO-Link master for interoperation.

The IO-Link interface allows direct access to the process and diagnostic data and enables setting of the device parameters during operation.

The IODD can also be <https://ioddfinder.io-link.com> downloaded via the IODDfinder.

## Data

### Technical data

### IO-Link

Communications	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

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

## 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

## 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

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



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 9.0	EC001599
ETIM 8.0	EC001599
Recupel Type	
ECCN	NO DATA
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
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




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## Approvals / Certificates

### General approvals



Logo	Approval	Additional Approval Text	Certificate name
	EAC GZO Almaty Standart	TP TC 020/2011	EAC CoC 03083
	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


### Cover

Cover		
	<b>Item no.: 756-8103</b> M12 protective cap; for unused plugs	<a href="http://www.wago.com/756-8103">www.wago.com/756-8103</a>
	<b>Item no.: 756-8101</b> M8 protective cap; for unused sockets	<a href="http://www.wago.com/756-8101">www.wago.com/756-8101</a>

### Tool

Assembly tool		
	<b>Item no.: 206-701</b> Torque wrench M8 and M12; Assembly kit	<a href="http://www.wago.com/206-701">www.wago.com/206-701</a>

### Marking accessories

Marking strip		
	<b>Item no.: 2009-110</b> Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white	<a href="http://www.wago.com/2009-110">www.wago.com/2009-110</a>

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

## 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](http://www.wago.com/2009-115)

## Optional accessories

## Cables and pluggable connectors

## 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](http://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](http://www.wago.com/756-9105/030-000)

## 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](http://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](http://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](http://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](http://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](http://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](http://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](http://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](http://www.wago.com/756-5111/030-015)

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	<b>Item no.: 756-5111/030-050</b> Sensor/Actuator cable; M8 plug; straight; 3-pole; Length: 5 m	<a href="http://www.wago.com/756-5111/030-050">www.wago.com/756-5111/030-050</a>
	<b>Item no.: 756-5111/030-100</b> Sensor/Actuator cable; M8 plug; straight; 3-pole; Length: 10 m	<a href="http://www.wago.com/756-5111/030-100">www.wago.com/756-5111/030-100</a>
	<b>Item no.: 756-5112/030-100</b> Sensor/Actuator cable; M8 plug; angled; 3-pole; Length: 10 m	<a href="http://www.wago.com/756-5112/030-100">www.wago.com/756-5112/030-100</a>
	<b>Item no.: 756-5112/030-015</b> Sensor/Actuator cable; M8 plug; angled; 3-pole; Length: 1.5 m	<a href="http://www.wago.com/756-5112/030-015">www.wago.com/756-5112/030-015</a>
	<b>Item no.: 756-5112/030-050</b> Sensor/Actuator cable; M8 plug; angled; 3-pole; Length: 5 m	<a href="http://www.wago.com/756-5112/030-050">www.wago.com/756-5112/030-050</a>
	<b>Item no.: 756-5302/050-050</b> Sensor/Actuator cable; M12A socket; angled; 5-pole; Length: 5 m	<a href="http://www.wago.com/756-5302/050-050">www.wago.com/756-5302/050-050</a>
	<b>Item no.: 756-5302/050-100</b> Sensor/Actuator cable; M12A socket; angled; 5-pole; Length: 10 m	<a href="http://www.wago.com/756-5302/050-100">www.wago.com/756-5302/050-100</a>
	<b>Item no.: 756-5404/050-020</b> Sensor/Actuator cable; M12A socket; angled; M12A plug; angled; 5-pole; Length: 2 m	<a href="http://www.wago.com/756-5404/050-020">www.wago.com/756-5404/050-020</a>
	<b>Item no.: 756-5404/050-010</b> Sensor/Actuator cable; M12A socket; angled; M12A plug; angled; 5-pole; Length: 1 m	<a href="http://www.wago.com/756-5404/050-010">www.wago.com/756-5404/050-010</a>
	<b>Item no.: 756-5201/030-010</b> Sensor/Actuator cable; M8 socket; straight; M8 plug; straight; 3-pole; Length: 1 m	<a href="http://www.wago.com/756-5201/030-010">www.wago.com/756-5201/030-010</a>
	<b>Item no.: 756-5201/030-020</b> Sensor/Actuator cable; M8 socket; straight; M8 plug; straight; 3-pole; Length: 2 m	<a href="http://www.wago.com/756-5201/030-020">www.wago.com/756-5201/030-020</a>
	<b>Item no.: 756-5202/030-020</b> Sensor/Actuator cable; M8 socket; straight; M8 plug; angled; 3-pole; Length: 2 m	<a href="http://www.wago.com/756-5202/030-020">www.wago.com/756-5202/030-020</a>
	<b>Item no.: 756-5202/030-010</b> Sensor/Actuator cable; M8 socket; straight; M8 plug; angled; 3-pole; Length: 1 m	<a href="http://www.wago.com/756-5202/030-010">www.wago.com/756-5202/030-010</a>

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

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

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](http://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](http://www.wago.com/756-5504/030-020)

## Downloads

### Documentation

#### Manual

Product Manual 8-Channel Digital Input/Output; IO-Link Class A Hub DC 24 V / 2.0 A; 8xM8 Connection; HubLine	V 2.0.0 Jul 19, 2022	pdf 3.7 MB	Download
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#### Instruction Leaflet

I/O System Field package insert	Dec 15, 2021	pdf 1.1 MB	Download
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#### System Description

WAGO I/O System Field; General Product Information		pdf 1.0 MB	Download
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## Engineering-Software

### Desktop Application

WAGO IO-Link Configurator		URL	Download
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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.

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.**

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



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	Feb 2, 2023	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
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EPLAN Data Portal 765-1702/200-000	URL	Download
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### 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	V1.0.0.10 Apr 12, 2021	zip 50.1 kB	Download
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## Environmental Product Compliance

### Compliance Search

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

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## Installation Notes

## Product family

WAGO I/O System Field

[Show all products from the family](#)

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

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