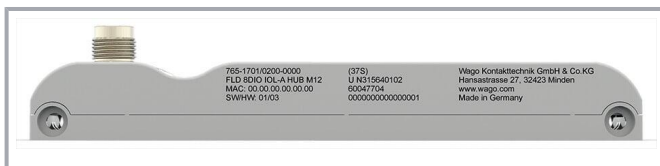
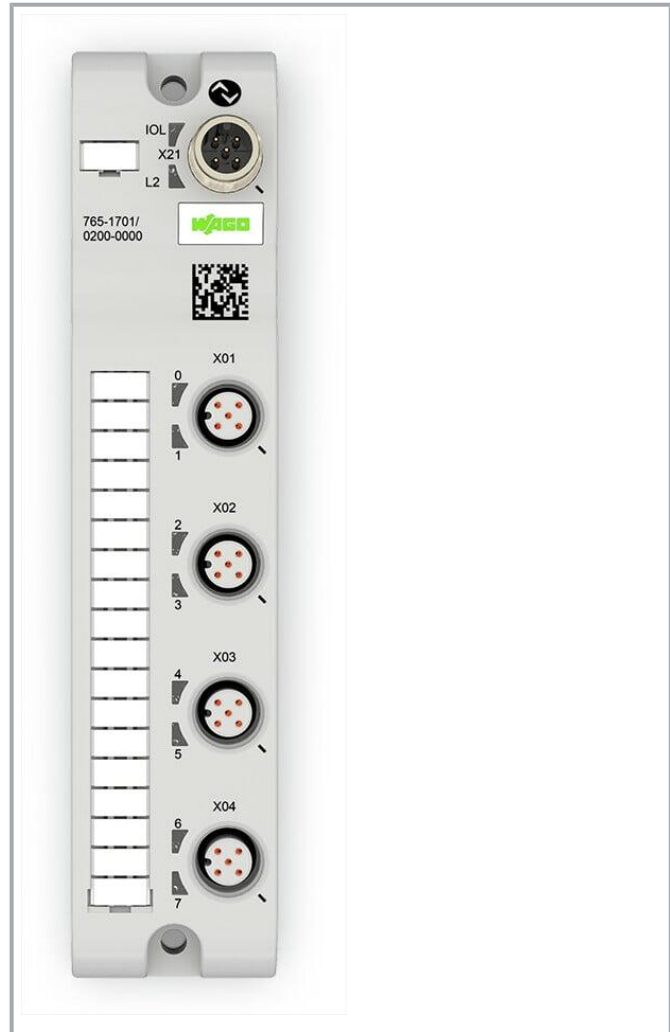


Data sheet | Item number: 765-1701/200-000

8-channel digital input/output; IO Link Class A Hub; DC 24 V / 2.0 A; 4xM12 connection; HubLine

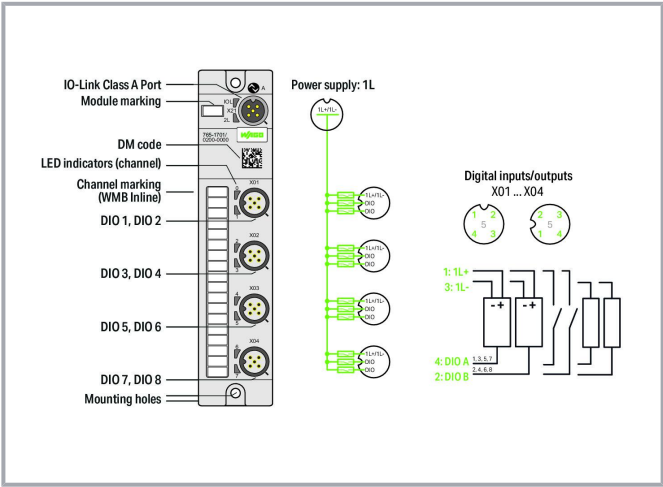
www.wago.com/765-1701/200-000



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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

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Digital inputs/outputs

Number of digital inputs	8
Number of digital outputs	8
Connection technology: inputs/outputs	4 x A-coded M12; 5-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	110 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

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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	4055143950022
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)	ba79137a-a12a-4206-a1de-8d9695b4c5b0
SCIP notification number (Belgium)	b393b15a-dad4-46ce-89aa-759787880816
SCIP notification number (Bulgaria)	d6df19df-cb75-4088-8017-8b17dbccea0a
SCIP notification number (Czech Republic)	f319d3df-97f8-4ff1-a6e5-ba26770115d3
SCIP notification number (Denmark)	f5cd2a65-5934-4ed5-bb52-521dd67b45fc
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SCIP notification number (France)	d172c063-1277-4263-8abe-e029b8b4a782
SCIP notification number (Germany)	be346f4f-5112-4e6c-9842-89506213fc76
SCIP notification number (Hungary)	cfe1e7a5-ffa2-4aec-83b0-1abf33c618e8
SCIP notification number (Italy)	e5d6f8d1-cc58-473f-bbf7-3e41e758fdd3
SCIP notification number (Netherlands)	08749293-24d1-4c4f-96bf-62f0e3675f9e
SCIP notification number (Poland)	7407a97c-3900-4b9b-a6fb-a1980d72e9e7
SCIP notification number (Romania)	cd4855ed-858d-4780-8feb-e09bd6afdb68
SCIP notification number (Sweden)	3b58288d-22d7-4fbf-82e5-9941d96d59e9

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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

Tool

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

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
Cover
Cover

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	Item no.: 756-8102 M12 protective cap; for unused sockets	www.wago.com/756-8102
	Item no.: 756-8103 M12 protective cap; for unused plugs	www.wago.com/756-8103

Optional accessories

Cables and pluggable connectors

Configurable Connector

	Item no.: 756-9202/050-000 Fitted pluggable connector; 5-pole; M12 plug, straight, A-coded; Spring	www.wago.com/756-9202/050-000
	Item no.: 756-9205/050-000 Fitted pluggable connector; 5-pole; M12 plug, right angle; Spring	www.wago.com/756-9205/050-000
	Item no.: 756-9212/050-000 Fitted pluggable connector; 5-pole; M12 socket, straight; Spring	www.wago.com/756-9212/050-000
	Item no.: 756-9215/050-000 Fitted pluggable connector; 5-pole; M12 socket, right angle; Spring	www.wago.com/756-9215/050-000

Sensor/actuator cable

	Item no.: 756-5402/040-010 Sensor/Actuator cable; M12A socket; straight; M12A plug; angled; 4-pole; Length: 1 m	www.wago.com/756-5402/040-010
	Item no.: 756-5402/040-020 Sensor/Actuator cable; M12A socket; straight; M12A plug; angled; 4-pole; Length: 2 m	www.wago.com/756-5402/040-020
	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.: 756-5301/050-015 Sensor/Actuator cable; M12A socket; straight; 5-pole; Length: 1.5 m	www.wago.com/756-5301/050-015
	Item no.: 756-5311/040-050 Sensor/Actuator cable; M12A plug; straight; 4-pole; Length: 5 m	www.wago.com/756-5311/040-050

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

**Item no.: 756-5311/040-015**

Sensor/Actuator cable; M12A plug; straight; 4-pole; Length: 1.5 m

www.wago.com/756-5311/040-015**Item no.: 756-5311/040-100**

Sensor/Actuator cable; M12A plug; straight; 4-pole; Length: 10 m

www.wago.com/756-5311/040-100**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.: 756-5404/040-020**

Sensor/Actuator cable; M12A socket; angled; M12A plug; angled; 4-pole; Length: 2 m

www.wago.com/756-5404/040-020**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.: 756-5510/040-010**

Sensor/Actuator cable; M8 socket; angled; M12A plug; angled; 4-pole; Length: 1 m

www.wago.com/756-5510/040-010**Item no.: 756-5510/040-020**

Sensor/Actuator cable; M8 socket; angled; M12A plug; angled; 4-pole; Length: 2 m

www.wago.com/756-5510/040-020**Item no.: 756-5401/040-020**

Sensor/Actuator cable; M12A socket; straight; M12A plug; straight; 4-pole; Length: 2 m

www.wago.com/756-5401/040-020**Item no.: 756-5401/040-010**

Sensor/Actuator cable; M12A socket; straight; M12A plug; straight; 4-pole; Length: 1 m

www.wago.com/756-5401/040-010**Item no.: 756-5507/040-010**

Sensor/Actuator cable; M8 socket; straight; M12A plug; straight; 4-pole; Length: 1 m

www.wago.com/756-5507/040-010**Item no.: 756-5507/040-020**

Sensor/Actuator cable; M8 socket; straight; M12A plug; straight; 4-pole; Length: 2 m

www.wago.com/756-5507/040-020

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Item no.: 756-5404/040-010

Sensor/Actuator cable; M12A socket; angled; M12A plug; angled; 4-pole; Length: 1 m

www.wago.com/756-5404/040-010



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.: 756-5312/040-015

Sensor/Actuator cable; M12A plug; angled; 4-pole; Length: 1.5 m

www.wago.com/756-5312/040-015



Item no.: 756-5312/040-050

Sensor/Actuator cable; M12A plug; angled; 4-pole; Length: 5 m

www.wago.com/756-5312/040-050



Item no.: 756-5509/040-010

Sensor/Actuator cable; M8 socket; angled; M12A plug; straight; 4-pole; Length: 1 m

www.wago.com/756-5509/040-010



Item no.: 756-5509/040-020

Sensor/Actuator cable; M8 socket; angled; M12A plug; straight; 4-pole; Length: 2 m

www.wago.com/756-5509/040-020



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.: 756-5403/040-010

Sensor/Actuator cable; M12A socket; angled; M12A plug; straight; 4-pole; Length: 1 m

www.wago.com/756-5403/040-010



Item no.: 756-5312/040-100

Sensor/Actuator cable; M12A plug; angled; 4-pole; Length: 10 m

www.wago.com/756-5312/040-100



Item no.: 756-5403/040-020

Sensor/Actuator cable; M12A socket; angled; M12A plug; straight; 4-pole; Length: 2 m

www.wago.com/756-5403/040-020



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.: 756-5508/040-010

Sensor/Actuator cable; M8 socket; straight; M12A plug; angled; 4-pole; Length: 1 m

www.wago.com/756-5508/040-010

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**Item no.: 756-5508/040-020**

Sensor/Actuator cable; M8 socket; straight; M12A plug; angled; 4-pole; Length: 2 m

www.wago.com/756-5508/040-020**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

Distribution connector

**Item no.: 756-5513/040-010**

Sensor/Actuator cable; 2xM8 socket; straight; M12A plug; straight; 4-pole; Length: 1 m

www.wago.com/756-5513/040-010**Item no.: 756-5513/040-020**

Sensor/Actuator cable; 2xM8 socket; straight; M12A plug; straight; 4-pole; Length: 2 m

www.wago.com/756-5513/040-020**Item no.: 756-5514/040-010**

Sensor/Actuator cable; 2xM8 socket; angled; M12A plug; straight; 4-pole; Length: 1 m

www.wago.com/756-5514/040-010**Item no.: 756-5514/040-020**

Sensor/Actuator cable; 2xM8 socket; angled; M12A plug; straight; 4-pole; Length: 2 m

www.wago.com/756-5514/040-020**Item no.: 756-9301/050-000**

Accessories; 5-pole

www.wago.com/756-9301/050-000**Item no.: 756-9301/040-000**

Accessories; 4-pole

www.wago.com/756-9301/040-000

Downloads

Documentation

Manual

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Product Manual 8-Channel Digital Input/Output; IO Link Class A Hub DC 24 V / 2.0 A; 4xM12 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.

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
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WAGO_FW0765_17xx_V01000010_IX02

Feb 2, 2023

341.9 kB

CAD/CAE-Data

CAD data

2D/3D Models 765-1701/200-000	URL	Download
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CAE data

ZUKEN Portal 765-1701/200-000	URL	Download
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EPLAN Data Portal 765-1701/200-000	URL	Download
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Asset Administration Shell

Asset Administration Shell 765-1701/200-000	URL	Download
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Device Files

Device Description File

IODD 765-1701/200-000	V1.0.0.10 Apr 12, 2021	zip 48.1 kB	Download
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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 765-1701/200-000	URL	Download
8-channel digital input/output; IO Link Class A Hub; DC 24 V / 2.0 A; 4xM12 connection; HubLine		

Installation Notes

Product family

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

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