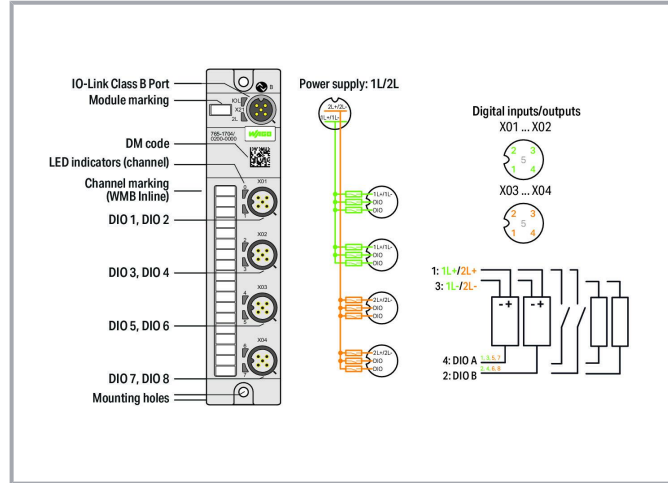
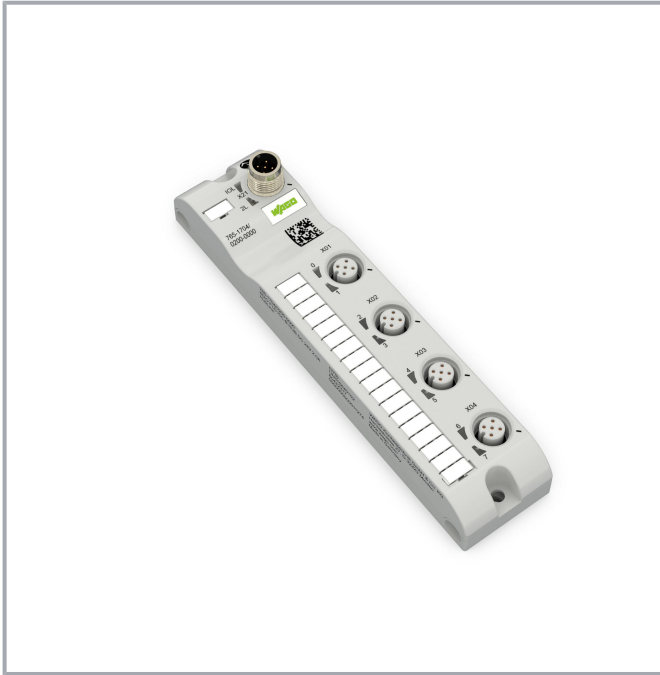


# Data sheet | Item number: 765-1704/200-000

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



[www.wago.com/765-1704\\_200-000](http://www.wago.com/765-1704_200-000)



## Data

### Technical data

### IO-Link

Communication	IO-Link
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
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Subject to changes. Please also observe the further product documentation!

WAGO Corporation  
Germantown, WI 53022  
Phone: 1-800-DIN-RAIL (346-7245) | Fax: (262) 255-6222  
Email: [info.us@wago.com](mailto:info.us@wago.com) | Web: [www.wago.us](http://www.wago.us)

Do you have any questions about our products?  
We are always happy to take your call at (262) 255-6222 or 1 800-DIN-RAIL.



Number of digital outputs	8
Connection technology: inputs / outputs	4 x A-coded M12; 5-pole
Voltage signal type	DC 24 V
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/2L)
Supply voltage	24 VDC (18 ... 31.2 V); 1L/2L
Power consumption (max.)	4000 mA
Power consumption (note)	1L: 0.2 A; 2L: 0.1 A; + load current
Reverse voltage protection	Yes

### Geometrical Data

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

### Mechanical Data

Weight	110 g
Conformity marking	CE

### Environmental Requirements

Surrounding air temperature (operation)	-25 ... 70 °C
Surrounding air temperature (storage)	-40 ... 80 °C
Protection type	IP67
Protection class	III per EN 61140, IEC 61140, VDE 0140-1
Operating altitude	0 ... 2000 m
Pollution degree (5)	3 per 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

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 We are always happy to take your call at (262) 255-6222 or 1 800-DIN-RAIL.

## Commercial data



Packaging type	BOX
Country of origin	DE
GTIN	4055143949866
Customs tariff number	8537109170

## Required accessories

### Cover

	<b>Item no.: 756-8102</b> M12 protective cap; for unused sockets	<a href="http://www.wago.com/756-8102">www.wago.com/756-8102</a>
	<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>

### Marking accessories





	<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>
	<b>Item no.: 2009-115</b> WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white	<a href="http://www.wago.com/2009-115">www.wago.com/2009-115</a>

### Tools

	<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>
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## Optional accessories

### Cables and pluggable connectors

	<b>Item no.: 756-5301/050-015</b> Sensor/Actuator cable; M12A socket; straight; 5-pole; Length: 1.5 m	<a href="http://www.wago.com/756-5301/050-015">www.wago.com/756-5301/050-015</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.: 756-5301/050-100</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.: 756-5302/050-015</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>

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



✓	<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.: 756-5311/040-015</b> Sensor/Actuator cable; M12A plug; straight; 4-pole; Length: 1.5 m	<a href="http://www.wago.com/756-5311/040-015">www.wago.com/756-5311/040-015</a>
✓	<b>Item no.: 756-5311/040-050</b> Sensor/Actuator cable; M12A plug; straight; 4-pole; Length: 5 m	<a href="http://www.wago.com/756-5311/040-050">www.wago.com/756-5311/040-050</a>
✓	<b>Item no.: 756-5311/040-100</b> Sensor/Actuator cable; M12A plug; straight; 4-pole; Length: 10 m	<a href="http://www.wago.com/756-5311/040-100">www.wago.com/756-5311/040-100</a>
✓	<b>Item no.: 756-5312/040-015</b> Sensor/Actuator cable; M12B socket; straight; 4-pole; Length: 1.5 m	<a href="http://www.wago.com/756-5312/040-015">www.wago.com/756-5312/040-015</a>
✓	<b>Item no.: 756-5312/040-050</b> Sensor/Actuator cable; M12B socket; straight; 4-pole; Length: 5 m	<a href="http://www.wago.com/756-5312/040-050">www.wago.com/756-5312/040-050</a>
✓	<b>Item no.: 756-5312/040-100</b> Sensor/Actuator cable; M12B socket; straight; 4-pole; Length: 10 m	<a href="http://www.wago.com/756-5312/040-100">www.wago.com/756-5312/040-100</a>
⊖	<b>Item no.: 756-5401/040-010</b> Sensor/Actuator cable; M12A socket; straight; M12A plug; straight; 4-pole; Length: 1 m	<a href="http://www.wago.com/756-5401/040-010">www.wago.com/756-5401/040-010</a>
⊖	<b>Item no.: 756-5401/040-020</b> Sensor/Actuator cable; M12A socket; straight; M12A plug; straight; 4-pole; Length: 2 m	<a href="http://www.wago.com/756-5401/040-020">www.wago.com/756-5401/040-020</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>
⊖	<b>Item no.: 756-5402/040-010</b> Sensor/Actuator cable; M12A socket; straight; M12A plug; angled; 4-pole; Length: 1 m	<a href="http://www.wago.com/756-5402/040-010">www.wago.com/756-5402/040-010</a>














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↳	<b>Item no.: 756-5402/040-020</b> Sensor/Actuator cable; M12A socket; straight; M12A plug; angled; 4-pole; Length: 2 m	<a href="http://www.wago.com/756-5402/040-020">www.wago.com/756-5402/040-020</a>
↳	<b>Item no.: 756-5402/050-010</b> Sensor/Actuator cable; M12A socket; straight; M12A plug; angled; 5-pole; Length: 1 m	<a href="http://www.wago.com/756-5402/050-010">www.wago.com/756-5402/050-010</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.: 756-5403/040-010</b> Sensor/Actuator cable; M12A socket; angled; M12A plug; straight; 4-pole; Length: 1 m	<a href="http://www.wago.com/756-5403/040-010">www.wago.com/756-5403/040-010</a>
↳	<b>Item no.: 756-5403/040-020</b> Sensor/Actuator cable; M12A socket; angled; M12A plug; straight; 4-pole; Length: 2 m	<a href="http://www.wago.com/756-5403/040-020">www.wago.com/756-5403/040-020</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.: 756-5403/050-020</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.: 756-5404/040-010</b> Sensor/Actuator cable; M12A socket; angled; M12A plug; angled; 4-pole; Length: 1 m	<a href="http://www.wago.com/756-5404/040-010">www.wago.com/756-5404/040-010</a>
↳	<b>Item no.: 756-5404/040-020</b> Sensor/Actuator cable; M12A socket; angled; M12A plug; angled; 4-pole; Length: 2 m	<a href="http://www.wago.com/756-5404/040-020">www.wago.com/756-5404/040-020</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.: 756-5404/050-020</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.: 756-5507/040-010</b> Sensor/Actuator cable; M8 socket; straight; M12A plug; straight; 4-pole; Length: 1 m	<a href="http://www.wago.com/756-5507/040-010">www.wago.com/756-5507/040-010</a>
↳	<b>Item no.: 756-5507/040-020</b> Sensor/Actuator cable; M8 socket; straight; M12A plug; straight; 4-pole; Length: 2 m	<a href="http://www.wago.com/756-5507/040-020">www.wago.com/756-5507/040-020</a>

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	<b>Item no.: 756-5508/040-010</b> Sensor/Actuator cable; M8 socket; straight; M12A plug; angled; 4-pole; Length: 1 m	<a href="http://www.wago.com/756-5508/040-010">www.wago.com/756-5508/040-010</a>
	<b>Item no.: 756-5508/040-020</b> Sensor/Actuator cable; M8 socket; straight; M12A plug; angled; 4-pole; Length: 2 m	<a href="http://www.wago.com/756-5508/040-020">www.wago.com/756-5508/040-020</a>
	<b>Item no.: 756-5509/040-010</b> Sensor/Actuator cable; M8 socket; angled; M12A plug; straight; 4-pole; Length: 1 m	<a href="http://www.wago.com/756-5509/040-010">www.wago.com/756-5509/040-010</a>
	<b>Item no.: 756-5509/040-020</b> Sensor/Actuator cable; M8 socket; angled; M12A plug; straight; 4-pole; Length: 2 m	<a href="http://www.wago.com/756-5509/040-020">www.wago.com/756-5509/040-020</a>
	<b>Item no.: 756-5510/040-010</b> Sensor/Actuator cable; M8 socket; angled; M12A plug; angled; 4-pole; Length: 1 m	<a href="http://www.wago.com/756-5510/040-010">www.wago.com/756-5510/040-010</a>
	<b>Item no.: 756-5510/040-020</b> Sensor/Actuator cable; M8 socket; angled; M12A plug; angled; 4-pole; Length: 2 m	<a href="http://www.wago.com/756-5510/040-020">www.wago.com/756-5510/040-020</a>
	<b>Item no.: 756-5513/040-010</b> Sensor/Actuator cable; 2xM8 socket; straight; M12A plug; straight; 4-pole; Length: 1 m	<a href="http://www.wago.com/756-5513/040-010">www.wago.com/756-5513/040-010</a>
	<b>Item no.: 756-5513/040-020</b> Sensor/Actuator cable; 2xM8 socket; straight; M12A plug; straight; 4-pole; Length: 2 m	<a href="http://www.wago.com/756-5513/040-020">www.wago.com/756-5513/040-020</a>
	<b>Item no.: 756-5514/040-010</b> Sensor/Actuator cable; 2xM8 socket; angled; M12A plug; straight; 4-pole; Length: 1 m	<a href="http://www.wago.com/756-5514/040-010">www.wago.com/756-5514/040-010</a>
	<b>Item no.: 756-5514/040-020</b> Sensor/Actuator cable; 2xM8 socket; angled; M12A plug; straight; 4-pole; Length: 2 m	<a href="http://www.wago.com/756-5514/040-020">www.wago.com/756-5514/040-020</a>
	<b>Item no.: 756-9202/050-000</b> Accessories; 5-pole	<a href="http://www.wago.com/756-9202/050-000">www.wago.com/756-9202/050-000</a>
	<b>Item no.: 756-9205/050-000</b> Accessories; 5-pole	<a href="http://www.wago.com/756-9205/050-000">www.wago.com/756-9205/050-000</a>
	<b>Item no.: 756-9212/050-000</b> Accessories; 5-pole	<a href="http://www.wago.com/756-9212/050-000">www.wago.com/756-9212/050-000</a>

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	<b>Item no.: 756-9215/050-000</b> Accessories; 5-pole	<a href="http://www.wago.com/756-9215/050-000">www.wago.com/756-9215/050-000</a>
	<b>Item no.: 756-9301/040-000</b> Accessories; 4-pole	<a href="http://www.wago.com/756-9301/040-000">www.wago.com/756-9301/040-000</a>
	<b>Item no.: 756-9301/050-000</b> Accessories; 5-pole	<a href="http://www.wago.com/756-9301/050-000">www.wago.com/756-9301/050-000</a>

## Downloads Documentation

### Manual

8-Channel Digital Input/Output; IO-Link Class B Hub DC 24 V / 2.0 A; 4xM12 Connection; HubLine	V 1.1.0 Nov 30, 2020	pdf 2.9 MB	Download
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### System Description

WAGO I/O System Field; General Product Information		pdf 708.2 kB	Download
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## Engineering-Software

### WAGO IO-Link Configurator

WAGO IO-Link Configurator	V5.1.1 Dec 17, 2020	ZIP 25.2 MB	Download
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The WAGO IO-Link Configurator is standalone commissioning, configuration and management software for the WAGO Field I/O System's IO-Link Master and Hubs.

It supports all IO-Link devices per the IO-Link specification and allows automatic download of IO-DDs via integrated IO-DD Finder.

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

## Runtime Software

### Firmware

IO-Field 765-17xx Firmware Download	01	zip 340.6 kB	Download
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## CAD files

### CAD data

2D/3D Models 765-1704/200-000	<a href="#">URL</a>	<a href="#">Download</a>
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### CAE data

ZUKEN Portal 765-1704/200-000	<a href="#">URL</a>	<a href="#">Download</a>
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## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 765-1704/200-000	<a href="#">URL</a>	<a href="#">Download</a>
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8-channel digital input/output; IO Link Class B Hub; DC 24 V / 2.0 A; 4xM12 connection; HubLine

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## Installation Notes

## Product family

### I/O System Field

[Show all products from the family](#)

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