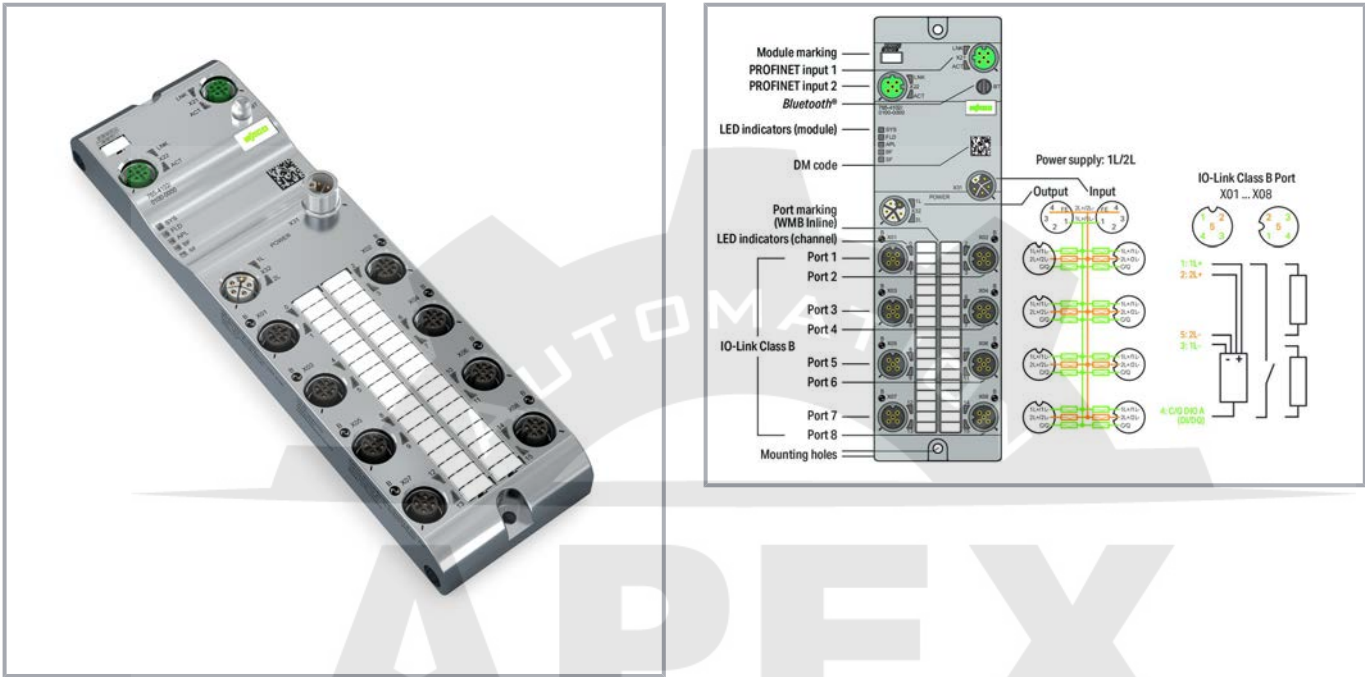




Data
Technical data

Fieldbus

Communication	PROFINET
Connection technology: communication/fieldbus	2 x D-coded M12; 4-pole
Interface standard	10BASE-T/100BASE-TX; potential-free
Autonegotiation; autocrossover	yes
PROFINET IO properties	PROFINET IO device; 2-port switch, LLDP, MRP, SNMP

Device Function

Parameter	Input filter Output current Temperature
Diagnostics	Undervoltage; Overcurrent; Overload; Overtemperature

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

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Device functions	Bluetooth® OPC UA Server
Visualization	Android/iOS app Webserver

IO-Link Master

IO-Link Master classification	Class B; Specification V1.1
Port mode	IO-Link: autoconfig, manual, tool-based DI DO
Cycle time	400 µs (min.)
Operating mode	IO-Link master, DI or DO (adjustable for pin 4 per port); Supply voltage 2L (fixed for pin 2 per port)

IO-Link ports

Number of digital inputs	16
Number of digital outputs	16
Connection technology: inputs / outputs	8 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)	typ. 2 A for DO typ. 2 A bei DO
Supply current per port	1L (Pin 1): 1 A for IO-Link; 4 A (max.) for DIO; 2L (Pin 2): 4 A (max.) 1L (Pin 1): 1 A bei IO-Link; 4 A max. bei DIO; 2L (Pin 2): max. 4 A

Module Power Supply

Connection technology: supply	2 x L-coded M12; 5-pole
Supply voltage	24 VDC (18 ... 31.2 V); 1L/2L
Power consumption (max.)	16000 mA
Power consumption (note)	per supply line; overload- and short-circuit-protected
Reverse voltage protection	Yes

Geometrical Data

Width	60 mm / 2.362 inch
Height	30 mm / 1.181 inch
Depth	210 mm / 8.268 inch

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Mechanical Data

Weight	610 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)
Relative humidity (without condensation)	95 %
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

Packaging type	BOX
Country of origin	DE
GTIN	4055143949798
Customs tariff number	8537109170

Required accessories

Marking accessories

	Item no.: 2009-110 Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white	www.wago.com/2009-110
	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

	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

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Tools

**Item no.: 206-701**

Torque wrench M8 and M12; Assembly kit

www.wago.com/206-701

Optional accessories

Cables and pluggable connectors

**Item no.: 756-1201/060-020**

ETHERNET cable; M12D plug; straight; 4-pole; Length: 2 m

www.wago.com/756-1201/060-020**Item no.: 756-1201/060-050**

ETHERNET cable; M12D plug; straight; 4-pole; Length: 5 m

www.wago.com/756-1201/060-050**Item no.: 756-1201/060-100**

ETHERNET cable; M12D plug; straight; 4-pole; Length: 10 m

www.wago.com/756-1201/060-100**Item no.: 756-1201/060-200**

ETHERNET cable; M12D plug; straight; 4-pole; Length: 20 m

www.wago.com/756-1201/060-200**Item no.: 756-1202/060-020**

ETHERNET cable; M12D plug; angled; 4-pole; Length: 2 m

www.wago.com/756-1202/060-020**Item no.: 756-1202/060-050**

ETHERNET cable; M12D plug; angled; 4-pole; Length: 5 m

www.wago.com/756-1202/060-050**Item no.: 756-1202/060-100**

ETHERNET cable; M12D plug; angled; 4-pole; Length: 10 m

www.wago.com/756-1202/060-100**Item no.: 756-1202/060-200**

ETHERNET cable; M12D plug; angled; 4-pole; Length: 20 m

www.wago.com/756-1202/060-200**Item no.: 756-1203/060-020**

ETHERNET cable; M12D plug; straight; M12 plug, axial; 4-pole; Length: 2 m

www.wago.com/756-1203/060-020**Item no.: 756-1203/060-050**

ETHERNET cable; M12D plug; straight; M12 plug, axial; 4-pole; Length: 5 m

www.wago.com/756-1203/060-050**Item no.: 756-1203/060-100**

ETHERNET cable; M12D plug; straight; M12 plug, axial; 4-pole; Length: 10 m

www.wago.com/756-1203/060-100

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	Item no.: 756-1203/060-200 ETHERNET cable; M12D plug; straight; M12 plug, axial; 4-pole; Length: 20 m	www.wago.com/756-1203/060-200
	Item no.: 756-1204/060-010 ETHERNET/PROFINET cable, angled; 1 m; fitted on both ends; D-coded; M12 plug, angled; M12 plug, angled	www.wago.com/756-1204/060-010
	Item no.: 756-1204/060-020 ETHERNET cable; M12D plug; angled; M12 plug, right angle; 4-pole; Length: 2 m	www.wago.com/756-1204/060-020
	Item no.: 756-1204/060-030 ETHERNET cable; M12D plug; angled; M12 plug, right angle; 4-pole; Length: 3 m	www.wago.com/756-1204/060-030
	Item no.: 756-1204/060-050 ETHERNET cable; M12D plug; angled; M12 plug, right angle; 4-pole; Length: 5 m	www.wago.com/756-1204/060-050
	Item no.: 756-1204/060-100 ETHERNET cable; M12D plug; angled; M12 plug, right angle; 4-pole; Length: 10 m	www.wago.com/756-1204/060-100
	Item no.: 756-1204/060-200 ETHERNET cable; M12D plug; angled; M12 plug, right angle; 4-pole; Length: 20 m	www.wago.com/756-1204/060-200
	Item no.: 756-3501/050-020 Power cable; M12L socket; straight; 5-pole; Length: 2 m	www.wago.com/756-3501/050-020
	Item no.: 756-3501/050-050 Power cable; M12L socket; straight; 5-pole; Length: 5 m	www.wago.com/756-3501/050-050
	Item no.: 756-3501/050-075 Power cable; M12L socket; straight; 5-pole; Length: 7.5 m	www.wago.com/756-3501/050-075
	Item no.: 756-3501/050-100 Power cable; M12L socket; straight; 5-pole; Length: 10 m	www.wago.com/756-3501/050-100
	Item no.: 756-3501/050-150 Power cable; M12L socket; straight; 5-pole; Length: 15 m	www.wago.com/756-3501/050-150
	Item no.: 756-3502/050-020 Power cable; M12L socket; angled; 5-pole; Length: 2 m	www.wago.com/756-3502/050-020

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	Item no.: 756-3502/050-050 Power cable; M12L socket; angled; 5-pole; Length: 5 m	www.wago.com/756-3502/050-050
	Item no.: 756-3502/050-075 Power cable; M12L socket; angled; 5-pole; Length: 7.5 m	www.wago.com/756-3502/050-075
	Item no.: 756-3502/050-100 Power cable; M12L socket; angled; 5-pole; Length: 10 m	www.wago.com/756-3502/050-100
	Item no.: 756-3502/050-150 Power cable; M12L socket; angled; 5-pole; Length: 15 m	www.wago.com/756-3502/050-150
	Item no.: 756-3503/050-020 Power cable; M12L plug; straight; 5-pole; Length: 2 m	www.wago.com/756-3503/050-020
	Item no.: 756-3503/050-050 Power cable; M12L plug; straight; 5-pole; Length: 5 m	www.wago.com/756-3503/050-050
	Item no.: 756-3503/050-075 Power cable; M12L plug; straight; 5-pole; Length: 7.5 m	www.wago.com/756-3503/050-075
	Item no.: 756-3503/050-100 Power cable; M12L plug; straight; 5-pole; Length: 10 m	www.wago.com/756-3503/050-100
	Item no.: 756-3503/050-150 Power cable; M12L plug; straight; 5-pole; Length: 15 m	www.wago.com/756-3503/050-150
	Item no.: 756-3504/050-020 Power cable; M12L plug; angled; 5-pole; Length: 2 m	www.wago.com/756-3504/050-020
	Item no.: 756-3504/050-050 Power cable; M12L plug; angled; 5-pole; Length: 5 m	www.wago.com/756-3504/050-050
	Item no.: 756-3504/050-075 Power cable; M12L plug; angled; 5-pole; Length: 7.5 m	www.wago.com/756-3504/050-075
	Item no.: 756-3504/050-100 Power cable; M12L plug; angled; 5-pole; Length: 10 m	www.wago.com/756-3504/050-100

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	Item no.: 756-3504/050-150 Power cable; M12L plug; angled; 5-pole; Length: 15 m	www.wago.com/756-3504/050-150
	Item no.: 756-3505/050-003 Power cable; M12L socket; straight; M12L plug; straight; 5-pole; Length: 0.3 m	www.wago.com/756-3505/050-003
	Item no.: 756-3505/050-005 Power cable; M12L socket; straight; M12L plug; straight; 5-pole; Length: 0.5 m	www.wago.com/756-3505/050-005
	Item no.: 756-3505/050-010 Power cable; M12L socket; straight; M12L plug; straight; 5-pole; Length: 1 m	www.wago.com/756-3505/050-010
	Item no.: 756-3505/050-020 Power cable; M12L socket; straight; M12L plug; straight; 5-pole; Length: 2 m	www.wago.com/756-3505/050-020
	Item no.: 756-3505/050-050 Power cable; M12L socket; straight; M12L plug; straight; 5-pole; Length: 5 m	www.wago.com/756-3505/050-050
	Item no.: 756-3505/050-075 Power cable; M12L socket; straight; M12L plug; straight; 5-pole; Length: 7.5 m	www.wago.com/756-3505/050-075
	Item no.: 756-3505/050-100 Power cable; M12L socket; straight; M12L plug; straight; 5-pole; Length: 10 m	www.wago.com/756-3505/050-100
	Item no.: 756-3505/050-150 Power cable; M12L socket; straight; M12L plug; straight; 5-pole; Length: 15 m	www.wago.com/756-3505/050-150
	Item no.: 756-3506/050-003 Power cable; M12L socket; angled; M12L plug; angled; 5-pole; Length: 0.3 m	www.wago.com/756-3506/050-003
	Item no.: 756-3506/050-005 Power cable; M12L socket; angled; M12L plug; angled; 5-pole; Length: 0.5 m	www.wago.com/756-3506/050-005
	Item no.: 756-3506/050-010 Power cable; M12L socket; angled; M12L plug; angled; 5-pole; Length: 1 m	www.wago.com/756-3506/050-010
	Item no.: 756-3506/050-020 Power cable; M12L socket; angled; M12L plug; angled; 5-pole; Length: 2 m	www.wago.com/756-3506/050-020

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Item no.: 756-3506/050-075 Power cable; M12L socket; angled; M12L plug; angled; 5-pole; Length: 7.5 m	www.wago.com/756-3506/050-075
Item no.: 756-3506/050-100 Power cable; M12L socket; angled; M12L plug; angled; 5-pole; Length: 10 m	www.wago.com/756-3506/050-100
Item no.: 756-3506/050-150 Power cable; M12L socket; angled; M12L plug; angled; 5-pole; Length: 15 m	www.wago.com/756-3506/050-150
Item no.: 756-5311/050-015 Sensor/Actuator cable; M12A plug; straight; 5-pole; Length: 1.5 m	www.wago.com/756-5311/050-015
Item no.: 756-5311/050-050 Sensor/Actuator cable; M12A plug; straight; 5-pole; Length: 5 m	www.wago.com/756-5311/050-050
Item no.: 756-5311/050-100 Sensor/Actuator cable; M12A plug; straight; 5-pole; Length: 10 m	www.wago.com/756-5311/050-100
Item no.: 756-5312/050-015 Sensor/Actuator cable; M12B socket; straight; 5-pole; Length: 1.5 m	www.wago.com/756-5312/050-015
Item no.: 756-5312/050-050 Sensor/Actuator cable; M12B socket; straight; 5-pole; Length: 5 m	www.wago.com/756-5312/050-050
Item no.: 756-5312/050-100 Sensor/Actuator cable; M12B socket; straight; 5-pole; Length: 10 m	www.wago.com/756-5312/050-100
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
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

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	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.: 756-5403/050-020 Sensor/Actuator cable; M12A socket; angled; M12A plug; straight; 5-pole; Length: 2 m	www.wago.com/756-5403/050-020
	Item no.: 756-5404/050-010 Sensor/Actuator cable; M12A socket; angled; M12A plug; angled; 5-pole; Length: 1 m	www.wago.com/756-5404/050-010
	Item no.: 756-5404/050-020 Sensor/Actuator cable; M12A socket; angled; M12A plug; angled; 5-pole; Length: 2 m	www.wago.com/756-5404/050-020
	Item no.: 756-9202/050-000 Accessories; 5-pole	www.wago.com/756-9202/050-000
	Item no.: 756-9205/050-000 Accessories; 5-pole	www.wago.com/756-9205/050-000
	Item no.: 756-9301/050-000 Accessories; 5-pole	www.wago.com/756-9301/050-000
	Item no.: 756-9501/040-000 Accessories; M12 plug, right angle; 4-pole	www.wago.com/756-9501/040-000
	Item no.: 756-9501/060-000 Fitted pluggable connector; 4-pole, shielded; M12 plug, straight, D-coded; Spring	www.wago.com/756-9501/060-000
	Item no.: 756-9503/040-000 Accessories; 4-pole	www.wago.com/756-9503/040-000
	Item no.: 756-9504/040-000 Accessories; 4-pole	www.wago.com/756-9504/040-000
	Item no.: 756-9701/050-000 Fitted pluggable connector; 5-pole; M12 plug, straight; IDC technology	www.wago.com/756-9701/050-000

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Item no.: 756-9711/050-000

Fitted pluggable connector; 5-pole; M12 socket, straight; IDC technology

www.wago.com/756-9711/050-000

Downloads

Documentation

Manual

8-Port IO-Link Master Class B; Profinet DC 24 V / 2.0 A; 8xM12 Connection; WideLine	V 2.1.0 Nov 30, 2020	pdf 4.2 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
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 IODDs via integrated IODD Finder.			
Register now and test our engineering software for 30 days at no cost.			

Runtime Software

Firmware

IO-Field 765-4102 Firmware Download	01	zip 1.5 MB	Download
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CAD files

CAD data

2D/3D Models 765-4102/100-000	URL	Download
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CAE data

ZUKEN Portal 765-4102/100-000

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Device Files

Device Description File

750-916; GSD-Dateien der Version 2.x für PROFINET/ Serie 750/753, 765, 767 und 852	2.81 Apr 15, 2021	zip 2.4 MB	Download
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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 765-4102/100-000	URL	Download
8-Port-IO Link Master Class B; Profinet; DC 24 V / 2.0 A; 8xM12 connection; WideLine		

Installation Notes

Product family

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

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