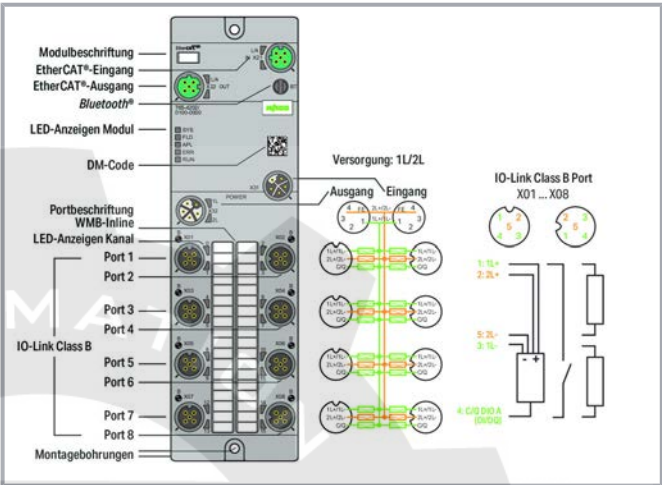


Data sheet | Item number: 765-4202/100-000
8-Port-IO Link Master Class B; EtherCAT; DC 24 V / 2.0 A; 8xM12 connection; WideLine



www.wago.com/765-4202_100-000



Data
Technical data

Fieldbus

Communication	EtherCAT AoE, EoE, FoE
Connection technology: communication/fieldbus	2 x D-coded M12; 4-pole
Interface standard	10BASE-T/100BASE-TX; potential-free
Autonegotiation; autocrossover	yes

Device Function

Parameter	Input filter Output current
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Subject to changes. Please also observe the further product documentation!

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	Temperature
Diagnostics	Undervoltage; Overcurrent; Overload; Overtemperature
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
Supply current per port	1L (Pin 1): 1 A for IO-Link; 4 A (max.) for DIO; 2L (Pin 2): 4 A (max.)

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	4055144010084
Customs tariff number	8537109170

Required accessories

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

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

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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

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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.: 756-3506/050-050 Power cable; M12L socket; angled; M12L plug; angled; 5-pole; Length: 5 m	www.wago.com/756-3506/050-050
🔊	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.: 756-9701/050-000 Fitted pluggable connector; 5-pole; M12 plug, straight; IDC technology	www.wago.com/756-9701/050-000
	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

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8-Port-IO Link Master Class B; EtherCAT; 24 VDC / 2.0 A;
8xM12 Connection; WideLine

V 1.0.0
Jun 8, 2021

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6.6 MB

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System Description

WAGO I/O System Field; General Product Information

pdf
708.2 kB

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Engineering-Software

WAGO IO-Link Configurator

WAGO IO-Link Configurator

V5.1.1
Dec 17, 2020

ZIP
25.2 MB

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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 IODDs via integrated IODD Finder.

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

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 765-4202/100-000

URL

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8-Port-IO Link Master Class B; EtherCAT; 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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