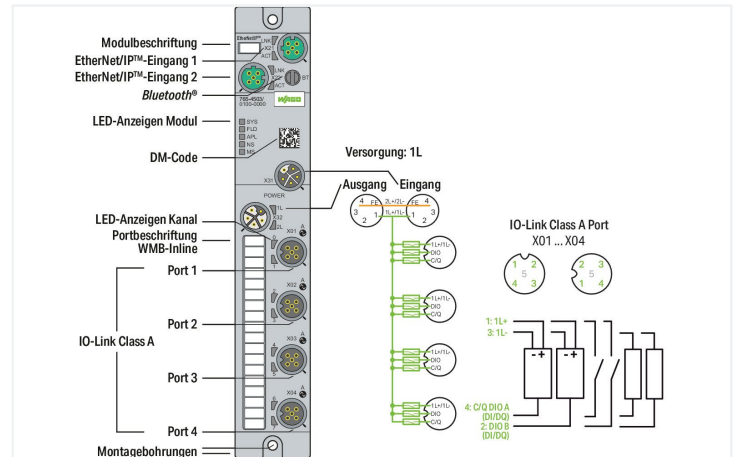


**Data Sheet | Item Number: 765-4503/100-000**  
**4-Port-IO Link Master Class A; EtherNet/IP; DC 24 V / 2.0 A; 4xM12 connection;**  
**SlimLine**

<https://www.wago.com/765-4503/100-000>



Similar to illustration



**Technical data**

Fieldbus		Device functions	
Communication	EtherNet/IP™ BOOTP, DHCP, DLR	Parameter	Input filter Output current Temperature
Connection technology: communication/ fieldbus	2 x D-coded M12; 4-pole	Diagnostics	Undervoltage; overcurrent; overload; overtemperature
Interface standard	10BASE-T/100BASE-TX; potential-free	Device functions	Bluetooth® OPC UA server
Autonegotiation; autocrossover	Yes	Visualization	Android/iOS app Web server

**IO-Link master**

IO-Link master classification	Class A; V1.1 specification
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); DI or DO (adjustable for pin 2 per port)

**IO-Link ports**

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 Type 3, per IEC 61131-2
Input filter	0.2 ... 20 ms
Output current (per channel)	2 A (typ.) for DO
Supply current per port	1L: 1 A for IO-Link; 4 A (max.) for DIO

**Supply (module)**

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

### Physical data

Width	35 mm / 1.378 inches
Height	30 mm / 1.181 inches
Depth	210 mm / 8.268 inches

### Mechanical Data

Weight	380 g
Conformity marking	CE

### Environmental requirements

Ambient 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 / 0 ... 6562 ft
Pollution degree (5)	3 (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

ETIM 8.0	EC001601
ETIM 7.0	EC001601
PU (SPU)	1 pcs
Country of origin	DE
GTIN	4066966063219
Customs tariff number	85371098990

### Downloads

#### Environmental Product Compliance

##### Compliance Search

Environmental Product  
Compliance  
765-4503/100-000



### Documentation

Manual			
Product Manual 4-Port IO-Link Master Class A; EtherNet/IP	V 2.0.0 19.07.2022	pdf 8461.21 KB	<a href="#">↓</a>

System Description	
WAGO I/O System Field; General Product Information	pdf 1009.23 KB <a href="#">↓</a>

Instruction Leaflet			
I/O System Field package insert	15.12.2021	pdf 1083.98 KB	<a href="#">↓</a>

CAD/CAE-Data	
<b>CAD data</b>	<b>CAE data</b>
2D/3D Models 765-4503/100-000 <a href="#">↓</a>	EPLAN Data Portal 765-4503/100-000 <a href="#">↓</a>

Runtime Software			
Firmware			
0765-x5xx, Ethernet/IP IO-Field	V 01 23.07.2021	zip 40290.93 KB	<a href="#">↓</a>

Libraries			
Device Description File			
750-915; EDS-Dateien for EthernetIP / Serie 750, 765 and 767	12 09.07.2021	zip 164.42 KB	<a href="#">↓</a>
Gerätebeschreibungsdateien 765-45xx, 765-15xx, EtherNet/IP	V1_1_0_11	zip 74.02 KB	<a href="#">↓</a>

## 1 Compatible Products

### 1.1 Required Accessories

#### 1.1.1 Cover

##### 1.1.1.1 Cover



**Item No.: 756-8103**  
M12 protective cap; for unused plugs

**Item No.: 756-8102**  
M12 protective cap; for unused sockets

### 1.1.2 Marking

1.1.2.1 Marker



**Item No.: 2009-115**  
 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

1.1.2.2 Marking strip



**Item No.: 2009-110**  
 Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white

1.1.3 Tool

1.1.3.1 Assembly tool



**Item No.: 206-701**  
 Torque wrench M8 and M12; Assembly kit

1.2 Optional Accessories

1.2.1 Cables and connectors

1.2.1.1 Configurable connectors



**Item No.: 756-9205/040-000**  
 Fitted pluggable connector; 4-pole; M12 plug, right angle; Spring



**Item No.: 756-9202/040-000**  
 Fitted pluggable connector; 4-pole; M12 plug, straight, A-coded; Spring



**Item No.: 756-9701/050-000**  
 Fitted pluggable connector; 5-pole, shielded; M12 plug, straight; IDC technology



**Item No.: 756-9711/050-000**  
 Fitted pluggable connector; 5-pole, shielded; M12 socket, straight; IDC technology

1.2.1.2 Configurable shielded connectors



**Item No.: 756-9501/040-000**  
 Accessories; M12 plug, right angle; 4-pole



**Item No.: 756-9501/060-000**  
 Fitted pluggable connector; 4-pole, shielded; M12 plug, straight, D-coded; Spring

1.2.1.3 Distribution connector



**Item No.: 756-9301/040-000**  
 Accessories; 4-pole



**Item No.: 756-9301/050-000**  
 Accessories; 5-pole



**Item No.: 756-5517/040-010**  
 Sensor/Actuator cable; 2xM12 socket; angled; M12A plug; straight; 4-pole; Length: 1 m



**Item No.: 756-5517/040-020**  
 Sensor/Actuator cable; 2xM12 socket; angled; M12A plug; straight; 4-pole; Length: 2 m



**Item No.: 756-5516/040-010**  
 Sensor/Actuator cable; 2xM12 socket; straight; M12A plug; straight; 4-pole; Length: 1 m



**Item No.: 756-5516/040-020**  
 Sensor/Actuator cable; 2xM12 socket; straight; M12A plug; straight; 4-pole; Length: 2 m



**Item No.: 756-5514/040-010**  
 Sensor/Actuator cable; 2xM8 socket; angled; M12A plug; straight; 4-pole; Length: 1 m



**Item No.: 756-5514/040-020**  
 Sensor/Actuator cable; 2xM8 socket; angled; M12A plug; straight; 4-pole; Length: 2 m

1.2.1.3 Distribution connector



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

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

**Item No.: 756-5513/040-020**

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

1.2.1.4 ETHERNET/PROFINET cable



**Item No.: 756-1202/060-100**

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

**Item No.: 756-1202/060-020**

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

**Item No.: 756-1202/060-200**

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

**Item No.: 756-1202/060-050**

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



**Item No.: 756-1204/060-010**

ETHERNET cable; M12D plug; angled; M12D plug; angled; 4-pole; Length: 1 m

**Item No.: 756-1204/060-100**

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

**Item No.: 756-1204/060-020**

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

**Item No.: 756-1204/060-200**

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



**Item No.: 756-1204/060-030**

ETHERNET cable; M12D plug; angled; M12D plug; angled; 4-pole; Length: 3 m

**Item No.: 756-1204/060-050**

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

**Item No.: 756-1201/060-100**

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

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

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



**Item No.: 756-1201/060-200**

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

**Item No.: 756-1201/060-050**

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

**Item No.: 756-1203/060-100**

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

**Item No.: 756-1203/060-020**

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



**Item No.: 756-1203/060-200**

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

**Item No.: 756-1203/060-050**

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

1.2.1.5 Power cable



**Item No.: 756-3504/050-100**

Power cable; M12L plug; angled; 5-pole; Length: 10 m

**Item No.: 756-3504/050-150**

Power cable; M12L plug; angled; 5-pole; Length: 15 m

**Item No.: 756-3504/050-020**

Power cable; M12L plug; angled; 5-pole; Length: 2 m

**Item No.: 756-3504/050-050**

Power cable; M12L plug; angled; 5-pole; Length: 5 m



**Item No.: 756-3504/050-075**

Power cable; M12L plug; angled; 5-pole; Length: 7.5 m

**Item No.: 756-3503/050-100**

Power cable; M12L plug; straight; 5-pole; Length: 10 m

**Item No.: 756-3503/050-150**

Power cable; M12L plug; straight; 5-pole; Length: 15 m

**Item No.: 756-3503/050-020**

Power cable; M12L plug; straight; 5-pole; Length: 2 m



**Item No.: 756-3503/050-050**

Power cable; M12L plug; straight; 5-pole; Length: 5 m

**Item No.: 756-3503/050-075**

Power cable; M12L plug; straight; 5-pole; Length: 7.5 m

**Item No.: 756-3502/050-100**

Power cable; M12L socket; angled; 5-pole; Length: 10 m

**Item No.: 756-3502/050-150**

Power cable; M12L socket; angled; 5-pole; Length: 15 m



**Item No.: 756-3502/050-020**

Power cable; M12L socket; angled; 5-pole; Length: 2 m

**Item No.: 756-3502/050-050**

Power cable; M12L socket; angled; 5-pole; Length: 5 m

**Item No.: 756-3502/050-075**

Power cable; M12L socket; angled; 5-pole; Length: 7.5 m

**Item No.: 756-3506/050-003**

Power cable; M12L socket; angled; M12L plug; angled; 5-pole; Length: 0.3 m



**Item No.: 756-3506/050-005**

Power cable; M12L socket; angled; M12L plug; angled; 5-pole; Length: 0.5 m

**Item No.: 756-3506/050-010**

Power cable; M12L socket; angled; M12L plug; angled; 5-pole; Length: 1 m

**Item No.: 756-3506/050-100**

Power cable; M12L socket; angled; M12L plug; angled; 5-pole; Length: 10 m

**Item No.: 756-3506/050-150**

Power cable; M12L socket; angled; M12L plug; angled; 5-pole; Length: 15 m

1.2.1.5 Power cable



**Item No.: 756-3506/050-020**

Power cable; M12L socket; angled; M12L plug; angled; 5-pole; Length: 2 m

**Item No.: 756-3506/050-050**

Power cable; M12L socket; angled; M12L plug; angled; 5-pole; Length: 5 m

**Item No.: 756-3506/050-075**

Power cable; M12L socket; angled; M12L plug; angled; 5-pole; Length: 7.5 m

**Item No.: 756-3501/050-100**

Power cable; M12L socket; straight; 5-pole; Length: 10 m



**Item No.: 756-3501/050-150**

Power cable; M12L socket; straight; 5-pole; Length: 15 m

**Item No.: 756-3501/050-020**

Power cable; M12L socket; straight; 5-pole; Length: 2 m

**Item No.: 756-3501/050-050**

Power cable; M12L socket; straight; 5-pole; Length: 5 m

**Item No.: 756-3501/050-075**

Power cable; M12L socket; straight; 5-pole; Length: 7.5 m



**Item No.: 756-3505/050-003**

Power cable; M12L socket; straight; M12L plug; straight; 5-pole; Length: 0.3 m

**Item No.: 756-3505/050-005**

Power cable; M12L socket; straight; M12L plug; straight; 5-pole; Length: 0.5 m

**Item No.: 756-3505/050-010**

Power cable; M12L socket; straight; M12L plug; straight; 5-pole; Length: 1 m

**Item No.: 756-3505/050-100**

Power cable; M12L socket; straight; M12L plug; straight; 5-pole; Length: 10 m



**Item No.: 756-3505/050-150**

Power cable; M12L socket; straight; M12L plug; straight; 5-pole; Length: 15 m

**Item No.: 756-3505/050-020**

Power cable; M12L socket; straight; M12L plug; straight; 5-pole; Length: 2 m

**Item No.: 756-3505/050-050**

Power cable; M12L socket; straight; M12L plug; straight; 5-pole; Length: 5 m

**Item No.: 756-3505/050-075**

Power cable; M12L socket; straight; M12L plug; straight; 5-pole; Length: 7.5 m

1.2.1.6 Sensor/actuator cable



**Item No.: 756-5312/040-015**

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

**Item No.: 756-5312/040-100**

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

**Item No.: 756-5312/040-050**

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

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

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



**Item No.: 756-5311/040-100**

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

**Item No.: 756-5311/040-050**

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

**Item No.: 756-5404/040-010**

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

**Item No.: 756-5404/040-020**

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



**Item No.: 756-5403/040-010**

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

**Item No.: 756-5403/040-020**

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

**Item No.: 756-5402/040-010**

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

**Item No.: 756-5402/040-020**

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



**Item No.: 756-5401/040-010**

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

**Item No.: 756-5401/040-020**

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

**Item No.: 756-5510/040-010**

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

**Item No.: 756-5510/040-020**

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



**Item No.: 756-5509/040-010**

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

**Item No.: 756-5509/040-020**

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

**Item No.: 756-5508/040-010**

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

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

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



**Item No.: 756-5507/040-010**

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

**Item No.: 756-5507/040-020**

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