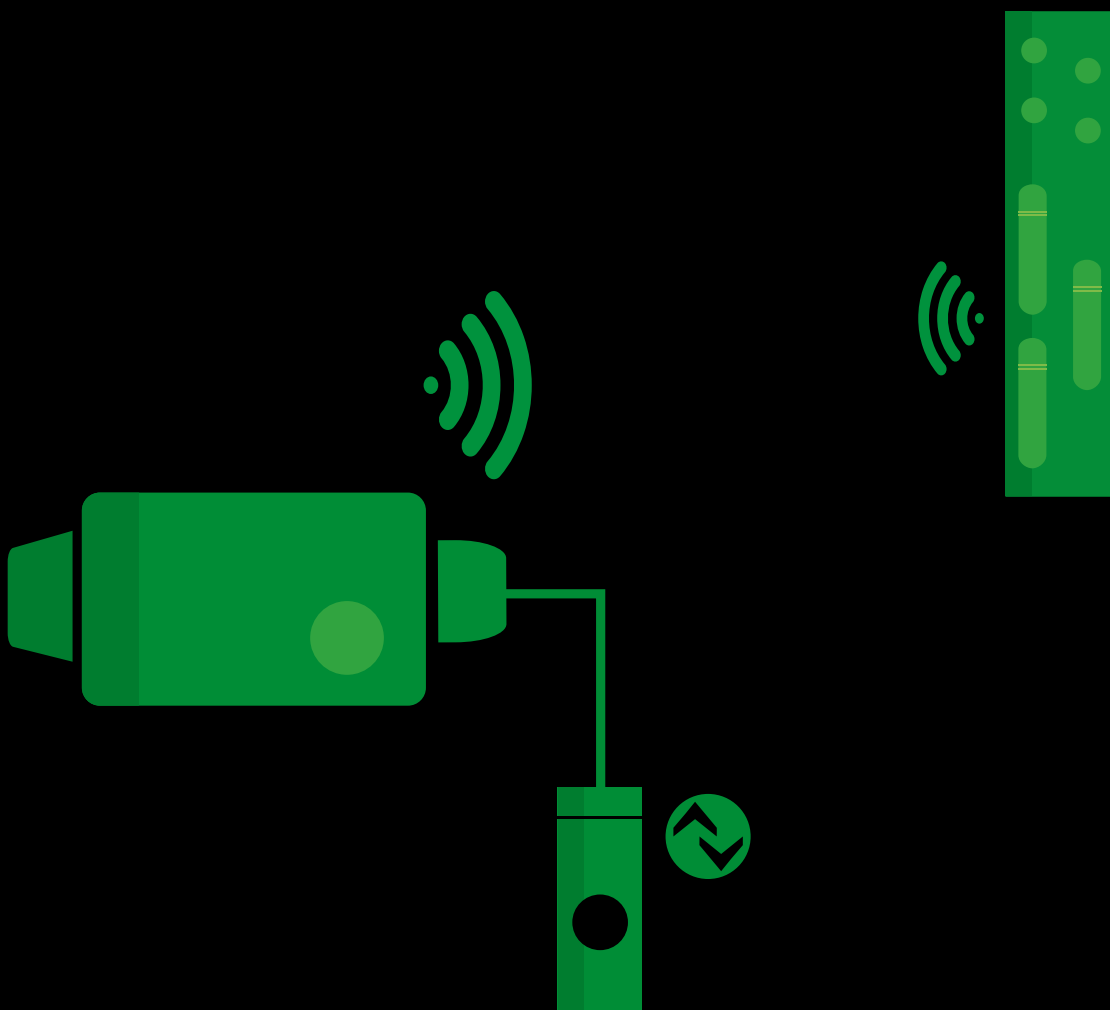


# netFIELD DEVICE IO-LINK WIRELESS

IO-LINK WIRELESS BRIDGE FOR WIRELESS  
INTEGRATION OF IO-LINK DEVICES

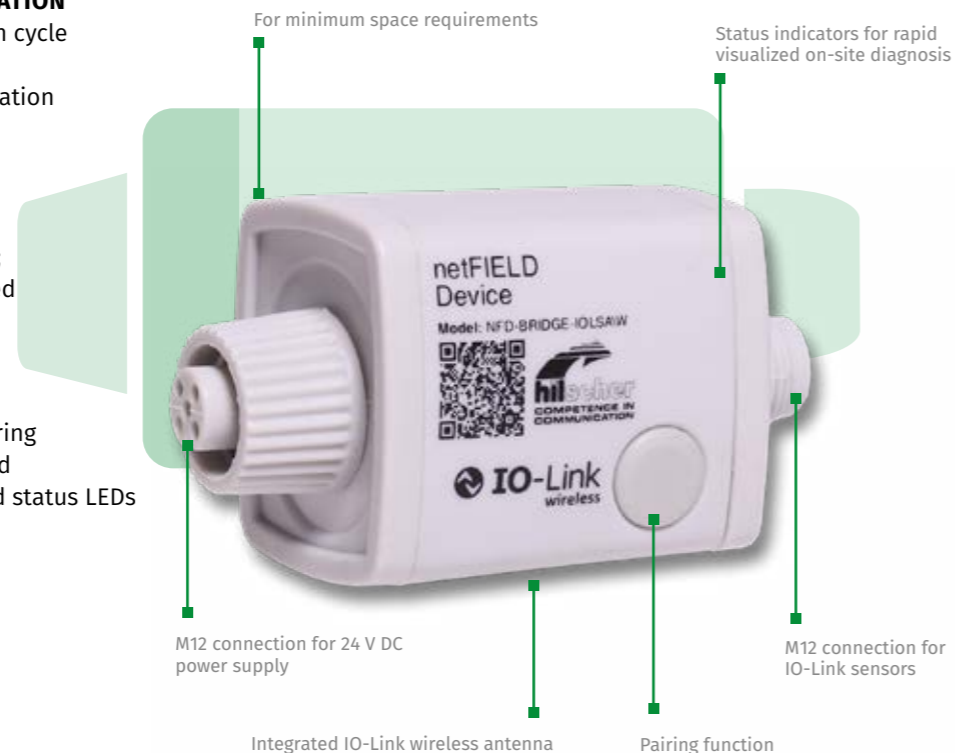


## THE BRIDGE FOR YOUR WIRELESS IO-LINK

**netFIELD Device IO-Link Wireless** technology enables Hilscher to set the course for a smooth wireless integration of IO-Link compatible sensors. This allows plant operators and machine builders to equip their devices with industrial sensors and to integrate them easily and reliably into industrial networks.

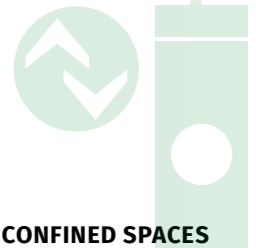
IO-Link Wireless is based on the proven technology of wired IO-Link systems. That makes it easy for business to flexibly connect difficult-to-access sensors in production plants, production robots, or legacy systems using IO-Link technology. Downtime is minimized due to failures, as cable breaks are excluded.

- ✓ **IO-LINK INTEROPERABILITY**  
The wireless function can be seamlessly integrated into all IO-Link devices.
- ✓ **REAL-TIME ETHERNET CAPABILITY**  
Supports networks such as PROFINET, Ethernet/IP, and EtherCAT with Hilscher's IO-Link Wireless Master
- ✓ **RELIABLE REAL-TIME COMMUNICATION**  
The shortest possible transmission cycle per device is 5 ms, with a wireless range of point-to-point communication of up to 10 meters
- ✓ **QUICK ASSEMBLY**  
Only requires a 24 V power supply; a mounting bracket is also included in the scope of delivery
- ✓ **GET STARTED RIGHT AWAY**  
Easy commissioning thanks to pairing function, firmware over-the-air and on-site diagnostics with integrated status LEDs
- ✓ **RESISTANT**  
IP67-compliant housing for harsh industrial environments



## SIMPLE SOLUTIONS WITH FLEXIBLE NETWORKING OPTIONS

- + **MINIMAL INSTALLATION EFFORT**  
Point-to-point wireless connectivity via **the netFIELD Device IO-Link Wireless** Bridges enables the cyclic exchange of input and output process data between the master and its connected devices.
- + **CONNECTION OF SPATIALLY CONFINED SPACES**  
Sensors only require a single power supply to transmit data to the master via **Hilscher's netFIELD Device IO-Link Wireless** Bridge and vice versa.
- + **MORE COMMUNICATION CHANNELS**  
A **netFIELD Device IO-Link Wireless** Master supports up to 16 bridges – twice as many sensors can be connected as with conventional IO-Link Masters.
- + **MORE ROOM TO MOVE**  
The use of wireless technologies for data transmission provides additional freedom of movement for industrial robots, cobots and other machines.
- + **PROFESSIONAL SOFTWARE SUPPORT**  
Hilscher supports you with a broad set of software tools, including a special tool for the IO-Link configuration.
- + **AVOIDANCE OF DOWNTIMES**  
Wireless data connections are immune to physical stress – for example, thanks to moving robotic arms.





# FACT SHEET - THE TECHNICAL DATA

IO-Link connection	
Communication	IO-Link Version 1.1
IO-Link	Class A
Transmission types	COM1, COM2, COM3
Connector	M12, A-coded, socket

IO-Link Wireless	
Communication	IO-Link Version 1.1
Radio connection	1 Wireless point - IO-Link Wireless Device
Transmission Cycle	5 ms
Process Data (Input/Output)	32 Byte In-/Output
Antenna	1, internal, isotropic
Frequency range	2.4 GHz
Pairing	Push button

Bridge	
Connector	M12, A-coded, plug
Supply voltage	24 V DC (-25 ... +30%)
Output current (max.)	1.0 A
Protection class	IP67
Ambient temperature (operation)	-25 °C ... +60 °C
Dimensions with M12 connections (LxWxH)	66.6 x 35.6 x 35.6 mm
Weight	Approx. 38 g (without optional bracket)
Authorization	CE / FCC / ISED / RED

Product name	Part number	Description
NFD-BRIDGE-IOLSA\W	1912.103	netField IO-Link Wireless Bridge Class A

## HEADQUARTER

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