

For easy integration of IO-Link devices

ENTRY IO-LINK MASTER

The intelligent combination of industrial networks with the IO-Link communication standard is the basis for ever faster, more flexible, more efficient and more versatile production. With the Entry IO-Link master, you can easily initiate the use of this powerful communication standard. This allows you to benefit from all the advantages of IO-Link.

Maximum flexibility thanks to multi-protocol capability

With our Entry IO-Link master, you can integrate IO-Link devices into your overall automation system: This module reliably collects the signals from the IO-Link sensors and provides an interface to the higher-level controller.

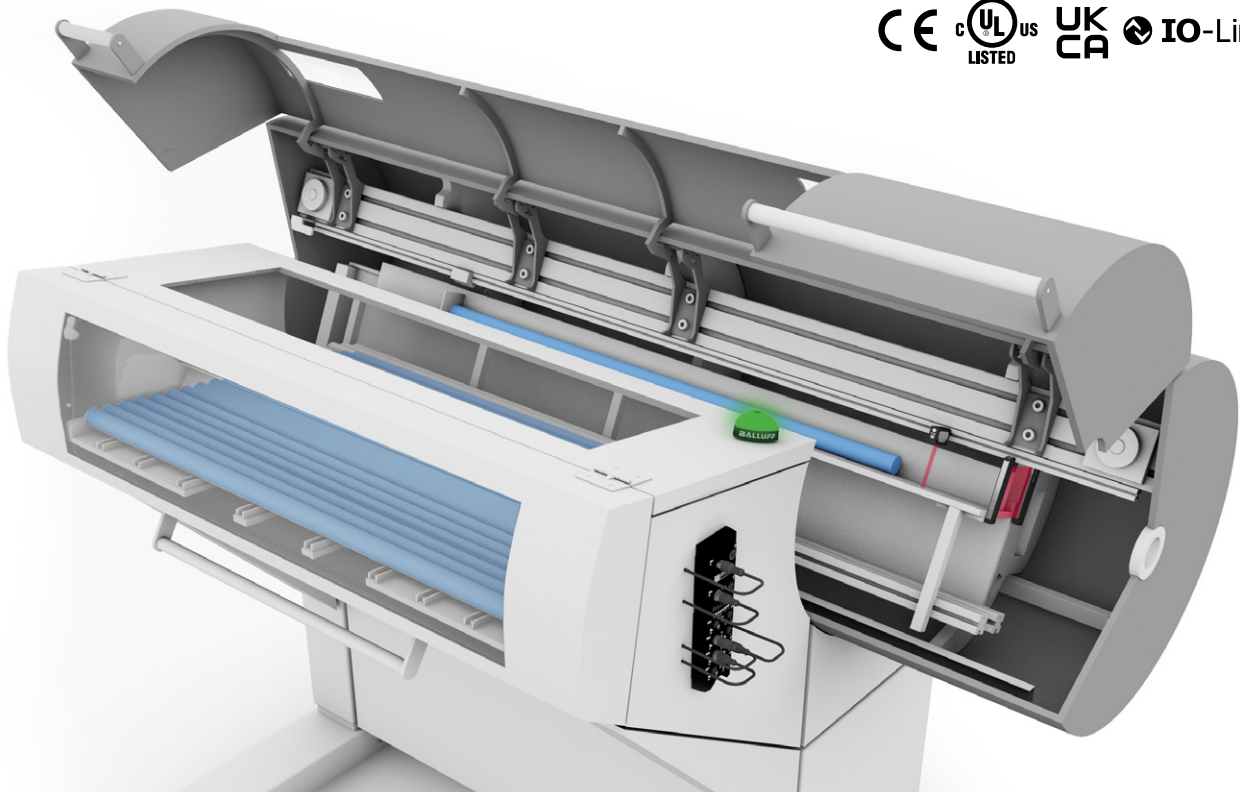
It controls the communication between sensor and controller – even in harsh environmental conditions.

The Entry IO-Link masters support most established industrial Ethernet protocols in one device – for example Profinet or Ethernet IP. This significantly reduces the number of components required and also the costs incurred. The master module also meets the basic requirements for OT-IT integration, as the device also supports IoT data interfaces such as MQTT.

The user-friendly web user interface (web UI) allows you to set up the devices easily and conveniently. In addition, your applications are reliably monitored and process and device information is transmitted from the IO-Link device to higher-level systems.

Features

- Support for the most common fieldbus protocols
- Ideal for IO-Link beginners
- Simple and cost-saving installation and maintenance
- Reliable transmission of machine and diagnostic data as well as process parameters to the control system
- IIoT-capable: Support of REST API, MQTT
- Usability: integrated and intuitive web UI
- Power: M12 L-coded



Bar loading magazine – management of IO-Link sensors/actuators with Balluff networking modules.

ENTRY IO-LINK MASTER WITH MULTI-PROTOCOL



	BNI00L1
Interfaces fieldbus	Multi-protocol (Profinet, Ethernet IP, EtherCAT)
Interfaces IIoT	REST API, JSON for IO-Link, MQTT
Display	No
Operating voltage	18...30 V DC
Connection COM 1	M12 female, 4-pin, D-coded
Connection COM 2	M12 female, 4-pin, D-coded
Connection power supply IN	M12 male, 5-pin, L-coded
Connection power supply OUT	M12 female, 5-pin, L-coded
Connection slots	8 × M12 female, 5-pin, A-coded
Digital inputs	16 × PNP, Type 3
Digital outputs	8 × PNP
Configurable inputs/outputs	Yes
Total current	4 A
Output current max. pin 4	0.25 A
Housing material	Plastic
Dimension	68 × 38.3 × 226.2 mm
Ambient temperature	−25...70 °C
IP rating	IP67
Additional interfaces	8 × IO-Link
IO-Link version	1.1.3
Port class	8 × Type A

ACCESSORIES



	BAM01C2
Type	Protective cap for M12 connections
Dimension	Ø 14 × 13.2 mm
Material	PC, ABS

CONNECTIVITY



	BCC0JFJ	BCC0L30	BCC09FU	
Connection 1	M12 male, straight, 4-pin, D-coded	M12 female, straight, 5-pin, L-coded	M12 female, straight, 5-pin, A-coded	
Connection 2	M12 male, straight, 4-pin, D-coded	M12 female, straight, 5-pin, L-coded	M12 male, straight, 5-pin, A-coded	
Cable	PUR shielded green, 5 m, drag chain compatible	PUR gray, 5 m, drag chain compatible	PUR black, 5 m, drag chain compatible	