

RS232 to IO-Link Interface Module

THE SIMPLE SOLUTION FOR INTEGRATING SERIAL COMMUNICATION DEVICES WITH IO-LINK

Contrary to popular belief, RS232-based serial communication devices are still used in many industrial applications. Examples include the use of barcode scanners, RFID, torque guns and printers in the automobile or packaging industries. Integrating RS232 interfaces into the existing control architecture is, however, often expensive and time-consuming because special components and cables, such as RS232 cards for the controller, are required. Since RS232 uses low voltage communication it is susceptible to electrical noise similar to an analog signal.

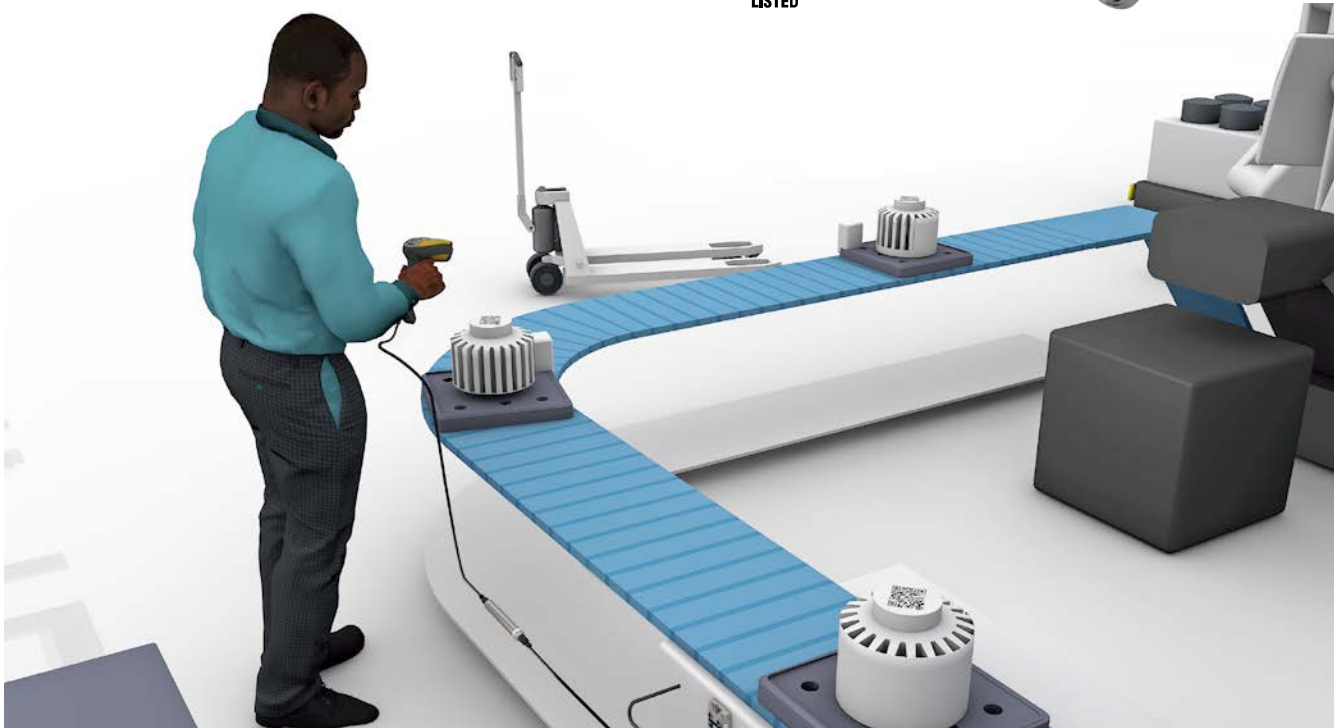
IO-Link is increasingly being used in today's complex automation to offer unified interface for a variety of automation devices and smart sensors. Balluff's innovative solution with the RS232 to IO-Link interface now enables simplified integration of the serial communication devices as well. This interface module with inline barrel design connects a serial RS232 device to an IO-Link port on the IO-Link master. This eliminates the need for special RS232 interface cards in the controls cabinet and/or separate controls to communicate with these special devices.

Features

- Bidirectional communication between RS232 device and IO-Link
- Two digital inputs to simplify integration of set points or triggers from the device
- RS232 devices powered with 24 VDC
- Easy diagnostics capabilities with status LEDs and IO-Link
- M18 inline barrel style design with stainless steel housing and IP67 ingress protection rating for applications in harsh environments



IO-Link



RS232 TO IO-LINK CONVERTER



BNI00C1	
Communication	IO-Link
Type	RS232
Supply voltage	18...30.2 V DC, per EN 61131-2
IO-Link connection	1 × M12 male, 4-pole, A-coded
RS232 connection	1 × M12 female, 8-pole, A-coded
Inputs	2 × PNP, Type 3
Degree of protection	IP67*
Operating temperature	-5... +55 °C
Dimensions (L × W)	118 × 18 mm
Weight	100 g
Housing material	Stainless steel (1.4305)
IO-Link Version	1.1
Operating mode	COM2 (38.4 kBaud)
Process data length	32 byte input/32 byte output
Minimum cycle time	35.2 ms

* when connected



ACCESSORIES

	BAM00F2	BAM0219	BAM037J	BAM00FC
Description	Mounting cuff Ø18 mm	Mounting cuff Ø18 mm	Mounting cuff Ø 18 mm	Mounting clamp
Housing material	PA 6	Anodized aluminum	Stainless steel (1.4404)	Anodized aluminum



CONNECTIVITY

2 M	BCC0KH7	BCC06JT	BCC05LY
5 M	BCC0KH8	BCC06JU	BCC05M1
10 M		BCC06JW	BCC05M3
Connector 1	M12 male, 8 pin	M12 male, 8 pin	M12 female, 5 pin
Connector 2			M12 male, 4 pin
Cable	PUR shielded cable	PUR cable	TPE cable