

Your RFID solution for the smart factory of the future

RFID PROCESSORS WITH IIoT CAPABILITY

In the era of digitalization, data has become extremely important. It drives technological innovation, provides deeper insights and increases efficiency. However, obtaining, processing and using this data, especially if they are in binary form, poses a significant challenge.

With our BIS V IIoT processors, you can easily integrate your RFID solution into the Industrial Internet of Things (IIoT). With these intelligent devices the shop floor data is forwarded via MQTT and REST API to the higher-level IT systems for further processing. These widely-used open standards simplify implementation and standardization.

Read/write heads (LF, HF, UHF) of your choosing can be connected to the four RFID ports of the BIS V IIoT processor regardless of frequency, delivering maximum flexibility in your application.

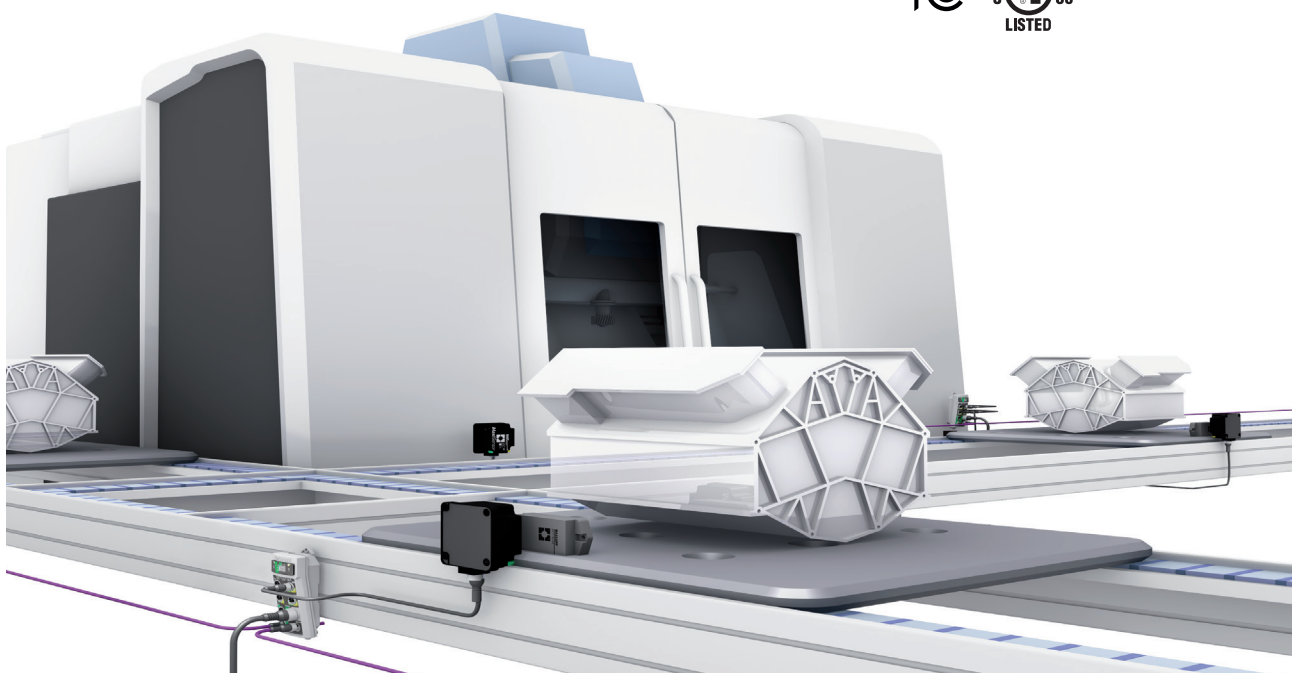
Additional IO-Link devices can also be connected to the integrated IO-Link master port. You can configure the BIS V IIoT processor and the connected components quickly and intuitively via the graphical user interface in the browser and the REST API.

A key function is formatted reading, which allows you to convert the binary data into a desired format. This enables seamless integration into business software solutions such as MES or ERP. The individual configuration of data structures, content and output formats eliminates the need for additional conversion programs or manual reformatting.

Additional UHF tools such as loop filters for data pre-processing and filtering or power management support you in the commissioning and operation of your UHF applications.

Features

- One device for all RFID technologies (LF, HF, UHF)
- Simple IT integration thanks to MQTT and REST API
- Fast parameterization via web interface
- Individually formatted data output
- UHF tools to simplify commissioning
- Power connection selectable between M12 Power and 7/8"



Integrate data from your RFID solution into your IT system with ease using the IIoT-capable BIS V processor.



BIS V IIoT EVALUATION UNITS

	BIS V-6107-...		BIS V-6113-...
Power port M12, 5-pin, L-coded	BIS01AA	BIS01AC*	BIS01FR
Power port 7/8", 5-pin	BIS0186	BIS0187*	–
Power port 7/8", 4-pin	BIS018J	BIS018K*	BIS01FT
MQTT	X	X	X
REST API	X	X	X
007 protocol	X	X	–
Power supply	24 V DC ±10 % LPS Class 2		
Operating temperature	0...+60 °C		
Protection class according to IEC 60529	IP65		
IO-Link master	V 1.1		
Connectable read/write heads	4		
Compatible read/write heads	BIS VU-3 (UHF) BIS VM-3 (HF) BIS VL-3 (LF)	BIS VU-3 (UHF) BIS VM-3 (HF) BIS VL-3 (LF) BIS C-3 (LF)*	BIS VU-3 (UHF) BIS VM-3 (HF) BIS VL-3 (LF)
Max. Cable length read/write heads	50 m	50 m for BIS VU/VM/VL-3, 10 m with BIS C-3	50 m

*For BIS C-3 heads with plug, the adapter cable **BCC0FCK** is required

PLUG-IN CONNECTOR POWER PORT

2 m	BCC0L2Z	BCC06FN	BCC06J3
5 m	BCC0L30	BCC06FP	BCC06J4
10 m	BCC0L31	BCC06FR	BCC06J5
Use	Power M12, 5-pin	7/8", 5-pin	7/8", 4-pin
Description	M12 socket/M12 plug, straight, 5-pin, L-coded	7/8" socket/ 7/8" plug, straight, 5-pin	7/8" socket/ 7/8" plug, straight, 4-pin
Cables	PUR gray, suitable for drag chains	PUR black, suitable for drag chains	PUR black, suitable for drag chains

Other cable lengths and versions available.

STECKERBINDER ANDERE PORTS

2 m	BCC0C00	BCC09NN	BCC0E90
5 m	BCC0C02	BCC09NP	BCC0E8Z
10 m	BCC0C03	BCC09NR	BCC0E8P
Use	Read/write heads BIS VM/VL/VU & IO-Link port	Ethernet/IP, TCP/IP	Ethernet/IP, TCP/IP
Description	M12 socket / M12 plug, straight, 4-pin, A-coded	M12 plug, / M12 plug, straight, 4-pin, D-coded	M12 plug, straight, 4-pin, D-coded / RJ45 plug, straight, 4-pin
Cables	PUR shielded black, suitable for drag chains	TPE shielded turquoise blue, suitable for drag chains	TPE shielded turquoise blue, suitable for drag chains

Further cable lengths available