

Identification solutions with OPC UA and integrated security functions

RFID NOW IIOT COMPATIBLE: THE BIS U-6127 UHF PROCESSOR UNIT

The new BIS U-6127 long range UHF processor unit makes it easy to integrate RFID into the Industrial Internet of Things (IIoT). Its built-in OPC UA server enables direct communication with MES and ERP systems. And with its unique multi-client and multi-port functionality you can implement parallel running applications. The Linux operating system enables fast pre-processing and filtering of large data quantities. Comprehensive configuration options are available in the web server and expanded RFID functions simplify startup. Plus with the integrated IO-Link master you can add additional sensors.

Another differentiator, the BIS U-6127 comes equipped with Secure Element, allowing for completely secure communication between the processor unit and the other systems. The data on the RFID tag can be digitally signed and encrypted. This prevents the possibility of the data being counterfeited or manipulated in production.

Features

- OPC UA server for interoperability in network communication
- Multi-client and multi-port function for applications running in parallel
- Integrated security function usable via "Secure Element"
- Web server with numerous configuration options
- Expanded functions with data pre-processing and filtering, freely configurable data formats



UHF PROCESSOR UNITS (860/960 MHz)



EUROPE: 865...868 MHz	BIS0193	
USA/CANADA: 902...928 MHz		BIS0194
Product group	UHF (860...960 MHz)	UHF (860...960 MHz)
Radio license	Europe	USA, Canada
Interface	Ethernet TCP/IP	Ethernet TCP/IP
Supported RFID technologies	UHF 860/960 MHz (BIS U)	UHF 860/960 MHz (BIS U)
Number of connectable antennas	4	4
Output power adjustable	7 dBm...30 dBm (5 mW...1 W)	7 dBm...30 dBm (5 mW...1 W)
Operating voltage U _B	19.2...28.8 V DC	19.2...28.8 V DC
Housing material	Stainless steel, aluminum	Stainless steel, aluminum
Ambient temperature	-20...55 °C	-20...55 °C
Protection degree	IP65 with connector	IP65 with connector
Approval/conformity	CE, cULus	cULus, IC, FCC

ACCESSORIES



EUROPE: 865...868 MHz	BIS00P0	BIS01AW
USA/CANADA: 902...928 MHz	BIS00TY	BIS01AY
Description	UHF antenna, 133 × 18.4 × 133 mm	UHF antenna, 300 × 49 × 300 mm

CONNECTIVITY



	BAM01HP	BCC0E24	BCC0J56	BCC032F
Connection 1	R-TNC connector 7/16"-28 UNEF female, straight, 1-pole	RJ45 male, straight, 4-pin	M12 female, straight, 5-pin, B-coded	M12 female, straight, 5-pin, A-coded
Connection 2	R-TNC connector 7/16"-28 UNEF male, straight	RJ45 male, straight, 4-pin	USB-A male, straight, 4-pin	
Cable	FRPE black, shielded, 10 m	TPE teal, 2 m, drag chain compatible	PVC black, shielded, 3 m	PUR black, 20 m, drag chain compatible