

PROFI[®]
BUS

PROFI[®]
NET

CANopen

Ether**CAT**[™]

DeviceNet

Ether**Net/IP**[™]

CC-Link

Modbus

SERIAL



KUNBUS-IC

Embedded Communication Modules

KUNBUS
industrial communication

KUNBUS-IC COMMUNICATION MODULES

COMPACT & FLEXIBLE DIL-32 BASED COMMUNICATION MODULES

The use of KUNBUS-IC modules makes it possible to connect your device quickly and easily to an industrial network.

Thanks to its compact size, the KUNBUS-IC is perfectly suitable especially for small devices or for devices with little space for the communication interface.

The KUNBUS-IC modules allow your device to be integrated into a corresponding network without major development effort. This saves money and especially time when introducing the product.

In addition to the fieldbus or Industrial Ethernet interface, the KUNBUS-IC modules also include a plug-in connector as an interface to your controller. Thanks to a universal pin assignment, any of the fieldbuses we offer can be replaced simple and quickly.

The KUNBUS-IC module will be connected to your controller's processor via a UART interface. The shift register interface is used for devices without processors. Up to 32 byte output and input signals can be processed. The signals can be arbitrarily distributed across the input and output register (e.g. 5 x input and 27 x output).

A second serial interface allows the connection of a terminal and serves, for example, as a configuration and debug interface. The interfaces to the controller

and the fieldbus area are galvanically isolated from one another up to 1.5 kV. The KUNBUS-IC modules work completely independently from the controller and therefore do not burden its processor.

Our KUNBUS-IC modules contain all components required, such as bus drivers, optocouplers, transducers, microcontrollers as well as the required memory and bus chips. The modules are certified, 100 % tested and have already proven their reliability even in the safety field.

HIGHLIGHTS

- › Certified Slave modules with low power consumption
- › Interchangeable interfaces supporting all major industrial networks
- › Freely configurable via a terminal and Modbus RTU
- › Customized versions available
- › Optional script interpreter for programming serial protocols

TECHNICAL DATA

Power supply	3,3 V (5 V on request)	Mechanical shock load	15 G
Application connector	DIL-32	Permanent mechanical stress	5 G
Application interface	SSC shift register SPI slave mode UART (Modbus RTU)	Operating temperature	0 °C to 60 °C optional: -25 °C to 65 °C
Debug interface (CDI)	UART	Storage temperature	-40 °C to 85 °C
Size (L x W x H)	ca. 25 x 45 x 15 mm	Humidity (40 °C)	up to 95 % (non-condensing)
Weight	ca. 10 g	Galvanic isolation	up to 1.5 kV

Manufacturer:

KUNBUS GmbH | Heerweg 15C | 73770 Denkendorf | Germany | Tel: +49-711/30020678 | Fax: +49-711/30020677 | info@kunbus.com | www.kunbus.com