

PROFIBUS · EtherCAT · EtherNet/IP · ETHERNET POWERLINK

PROFINET · DeviceNet · CANopen · DMX

sercos the automation bus · Modbus · SERIAL

KUNBUS-GW

Modular Gateways for Industrial Networks

KUNBUS industrial communication

KUNBUS-GW MODULAR GATEWAYS

FAST & LOW COST NETWORK CONNECTION

Nowadays, the demands on historically developed communication networks are getting more and more complex. Different networks with various data speed and data traffic are expected to communicate among each other. Where previously a classical fieldbus like CANopen, PROFIBUS or DeviceNet was the preferred network, Ethernet based protocols supplement or replace them today. A complete exchange of the communication modules is expensive and often not realizable. Therefore, the modular gateways from KUNBUS offer an excellent way to connect fast, easily and cost-efficiently different networks in compliance with the protection of investments.

The KUNBUS-GW gateways consists of two modules each, which contain the respective protocol and are fitted with a common interface for the data exchange. Each module is integrated into the respective network as a Slave. The data is exchanged via a jumper that connects both modules.

The gateway converts all data that the target network can transfer. It omits non-transferrable data and adds necessary data in the new network. Thus, the operators can transfer all necessary data from one closed network to another.

This intelligent approach makes the KUNBUS-GW gateway highly flexible. KUNBUS offers a protocol converter that can be attached to DIN rails and detached again easily by means of plug and play. The protocols themselves are located in compact modules, whose housings are just 22.5 x 101.4 x 115 in size. The modules are supplied with an operating voltage of 24 Volt whereby the power consumption is less than 3 Watt.

Whereas conventional gateways have to be replaced completely in the event of a technical malfunction, with KUNBUS-GW gateways it is sufficient to replace the defective module only.

Apart from the resultant cost benefit from the module design, this approach offers another key benefit: The decision for or against a certain network only has to be made just before delivery. Consequently, it is possible to react better to any special and recent changes in requirements which have occurred.

Customized solutions are also possible. The gateways are equipped with an integrated web server; program parts are updated via FTP server.

The gateway is diversely combinable with the most important protocols of industrial communication networks.

TECHNICAL DATA

Power supply	24 VDC (-15/+20 %)
Max. power	< 3 Watt
Current consumption	100 mA
Cycle time between modules	1.2 ms
Size (W x H x D)	ca. 22 x 101 x 115 mm
Weight	ca. 90 g
Protection class	IP20

Operating temperature	0 °C to 60 °C
Storage temperature	-25 °C to 70 °C
Humidity (40 °C)	up to 93 % (non-condensing)
Casing material	Polycarbonate
Galvanic isolation	yes
Mounting	DIN rail (EN50022)

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