

Network

Multiprotocol Gateway



Gateway for protocol conversion of the essernet data protocol into different standard software protocols.

The multiprotocol gateways are a group of devices which have been specially optimized for the conversion of the essernet data protocol just into standard software protocols. The focus here is especially on communication with higher-priority building services management systems as well as with devices by other manufacturers. Device configuration is carried out based on one text file per protocol driver as well as one other text file which sets the connections between essernet object statuses to those of another protocol. This is advantageous as it allows for easy revision with small changes, especially when the naming conventions are adhered to in the target protocol. The basic configuration is created under specification of the target protocol by conversion of project data export of the programming software 'tools 8000' which results in a format that can be loaded by the gateway. The gateway is equipped with an access-restricted web user-interface with independent user management. This facilitates the upload of project data, remote diagnostics, status query of all data points and, if the corresponding ESSER modules used, switching via the gateway without additional software. Hardware with different performance levels is available for varying project requirements. Thus it is possible to choose the most cost-effective model according to the type of target protocol and number of connections required from the essernet data protocol into the selected target protocol.

Service for installers:

Different gateway services are available. These services cover everything from calculating data points to selecting suitable hardware, from creating loadable project planning for the gateways to designing project-specific macros, as well as on-site start-up commissioning support done by our contractor MBS in Krefeld. For further support of existing gateways, training can be offered by the manufacturer as well. This allows maintenance or expansion/reprogramming in the object by trained personnel, for example, if a system has been extended and the resulting new data points are to be transmitted to the target protocol.

Different gateway models currently available:

ESSER Data Protocol (EDP) to:

BACnet Client or Server

OPC Server

MODBUS IP

EIB/Instabus

LONTalk

PROFIBUS-DP

Please purchase all gateway models as well as commissioning and other services from the manufacturer MBS GmbH in Germany:

MBS GmbH

Roemerstrasse 15

D-47809 Krefeld/Germany

Tel. +49 2151 7294-0

Fax +49 2151 7294-50

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<http://www.mbs-software.de/en/>

Please take note: For usage of the Esser-Data-Protocol (EDP) a project-specific approval by Novar GmbH is required.

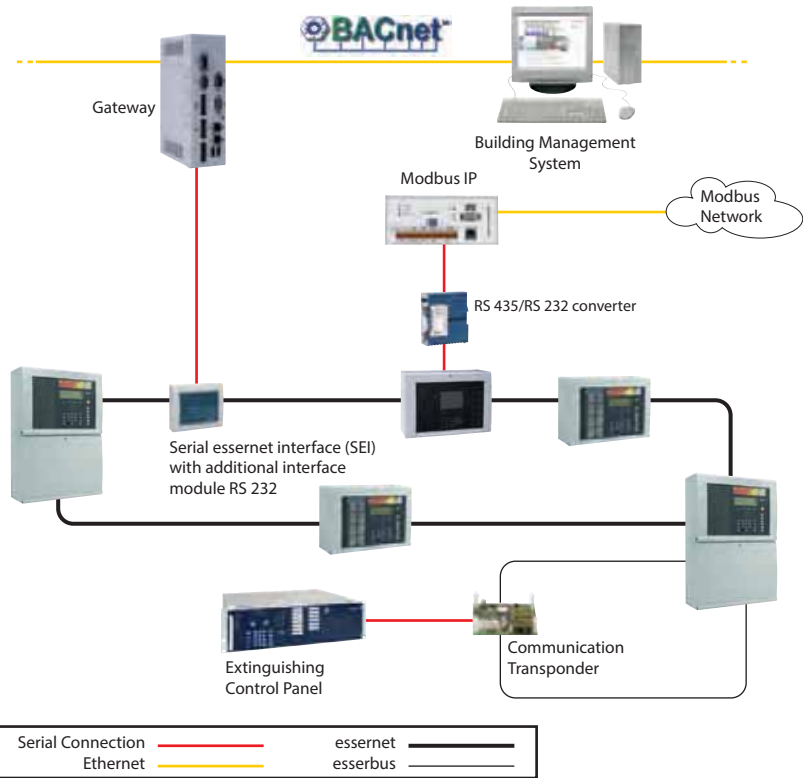
i If a gateway is used for the EDP connection over an OPC server, the OPC-DCOM communication for the server component requires a networked PC with Windows XP or higher. This OPC server component is included in this gateway model. Additional hardware for the connection of the standard software protocol, as specified in the order, is included in the delivery of the respective gateway variant. Take note, this item is a non-cancelable / non-returnable (NCNR) product! To calculate the quantity of data points, you have to consider that each sensor status is one data point, e.g.

- Detector 1 zone 1 fire = 1 data point
- Detector 1 zone 1 switch off = 1 data point
- Detector 1 zone 1 fault = 1 data point
- Detector 1 zone 1 technical alarm = 1 data point
- Detector 1 zone 1 pre alarm = 1 data point
- Detector 1 zone 1 control function = 1 data point

So in case of a zone with 10 detectors you need: 11 x 6 links = 66 data points in TOTAL

Accessories

- 784855 Serial essernet interface EDP (unidirectional)
- 784856 Serial essernet interface EDP (bidirectional)
- 772386 Interface module RS 232/V 24
- 788606 Housing kit



Application example