BACnet Server for M-Bus Metering devices

The software solution allows BACnet Clients to communicate with the meters and other devices according to the EN1434 standard in an M-Bus network.

With the fully featured driver all relevant data regarding the operating values, alarms, status and energy monitoring can be shared with the building automation BACnet Clients system. The software driver comes complete with a logging facility, monitoring window and engineering guidelines.

Features and functions

Mbus supported functions
The solution can connect up to 4 independent MBus Masters via RS232 or RS485. The solution retrieves data using Primary Addressing from the engineered devices using the MBus commands SND_NKE if configured in the engineering and REQ_UD2.

BACnet Server supported functions
The solution uses BACnet/IP network connectivity and supports all major BACnet objects including data objects, notification objects, schedule objects, trend objects and all major Services.

Engineering
The Software application uses a very efficient engineering process to allow non-MBus experts to quickly and simply gain communications to their device and to build an engineered Application with all the necessary BACnet objects. The Product includes a utility to generate EDE files for simple integration to BACnet Clients. The Product also includes an MBus utility to test and investigate the MBus devices connected to the Trunks.

BACnet Object Data-point Mapping
The MBus Device Information such as energy usage and water Temperatures are mapped to BACnet objects such as AI, AV and MV. Trend Objects can store selected MBus data point values as required

System and Device Status
The Application includes BACnet Objects to show the additional information such as the current device being polled per trunk, the state of the device on the MBus trunk and an event flag.

Event Logging facility
In order to ensure recorded information, an event logging facility is included with the solution. This feature can be enabled or disabled as required.
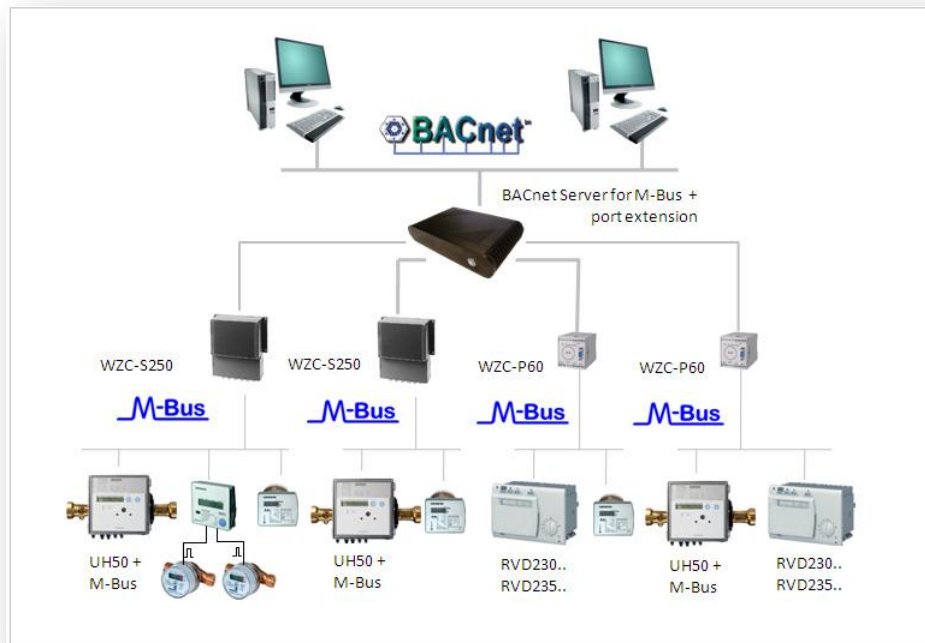
More information
Simply visit our web site www.integrated.ch for access to our demo version software; datasheet, engineering guidelines and configuration file plus links to other relevant software drivers.

Related Products

BACnet M-Bus Server	BAC-MBUS
OPC MBus Server	OPC-MBUS
MBus Utility	UTL-MBUS

Network Topology Overview

Application Interface Overview

For a comprehensive description of the Product, please consult the User and Engineering Guidelines.