



Desigo™ PX Open

PX M-bus

The PX M-bus integration solution provides a platform for the integration of M-bus meters, and permits the exchange of information with the Desigo building automation and control system.

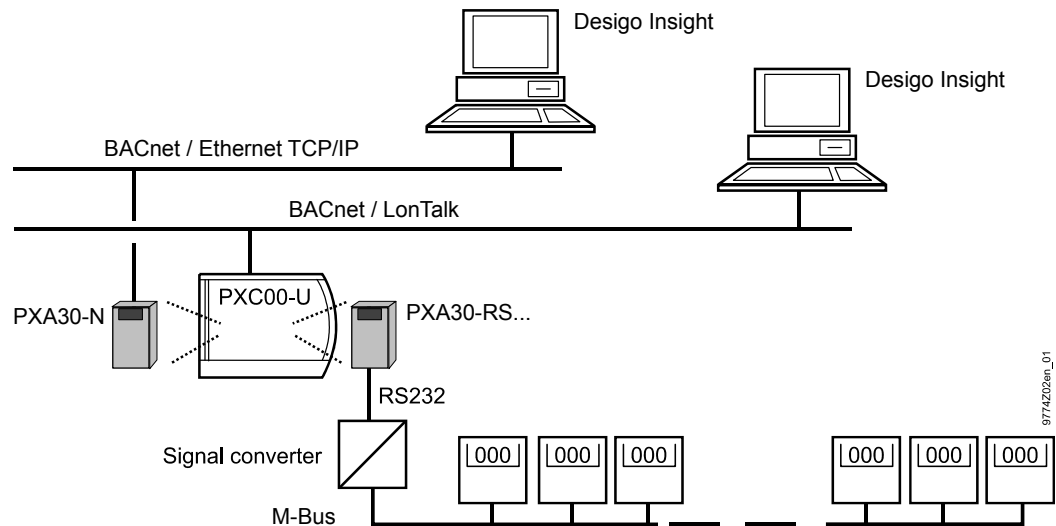
With the generic approach to the read-out of M-bus data points as implemented in the product, a wide range of third-party products can be integrated.

Function

The M-bus data points are integrated via the communication between the PX M-bus automation station and the meters. The data can be displayed and set centrally via the building automation and control system.

- Measurement of consumption data and remote monitoring of max. 250 consumption and heat meters at the automation level.
- Mapping of M-bus data, such as cumulative energy (kWh), cumulative volume (m³), flow (m³/h), power (kW), flow temperature (°C), return temperature (°C) etc. to BACnet.

Topology



Types

Type	Description
PX M-bus	MASTER software platform

M-bus master

PX M-bus operates as the master in the M-bus subsystem.

Number of meters

The PX M-bus allows the read-out of up to 250 M-bus meters (slaves) via primary addresses 1 to 250.

Number of data points

This solution supports up to 2000 data points from one M-bus subsystem.

Hardware

The firmware runs on a PXC00-U system controller with a PXA30-RS... extension module. For further information, refer to data sheets CA1N9221 and CM1N9281.

Ordering

The PX M-bus integration solution is available in three different models for 100, 400 and 2000 data points.

System controller	PXC00-U	(BACnet / LonTalk)
Extension module	PXA30-N	(BACnet / IP)
Extension module	PXA30-RS	(supports up to 100 data points)
Extension module	PXA30-RS1	(supports up to 400 data points)
Extension module	PXA30-RS2	(supports up to 2000 data points)

For ordering and download information, please consult your local sales office.

Engineering

Engineering with XworksPlus

M-bus engineering: for details refer to document CM2Y9774.

Commissioning

Commissioning is described in the data sheet CA1N9221 of the PXC00-U system controller, and in the data sheet CA2N9281 of the PXA30-RS... extension module.