

## BACnet AS1000

The BACnet AS1000 Solution connects to the Staefa Control system AS1000 Controller Bus (RSBus) directly and participates as a member on the token ring communications. The engineered data is available is mapped to BACnet allowing BACnet Clients to read and write to the RSBus

With the fully featured driver all relevant data regarding the measured data can be monitored and displayed on BACnet.



### Features and functions

- **BACnet AS1000**  
The Solution interfaces with the AS1000 Bus to provide Data-point mapping to BACnet.
- **Main Features and Functions**
  - The connection direct to the RS-Bus
  - Replacement OR Co-existing with NICO and NITEL, NCRS
  - Reading and Writing IO, calculated and set-point data-points
  - Monitoring and Controlling Time-schedule output data-points
  - Acknowledge and reset alarm data-points
  - Synchronisation of Time and Date on Bus
  - Pseudo INTER-RS Master
- **RSBus Data-point Support**
  - Reading of Physical Inputs UI, DI
  - Reading of Calculated Inputs UZ, DZ.
  - Reading and writing of Physical Outputs UO, DO
  - Reading and writing of Parameter UP, DP
  - Reading and writing of Set-points US, DS
  - Reading and writing of Alarm DX, DY, DR
  - Reading and [ writing ] of Inter RS data-points UE, DE , UA, DA
  - Reading of Operating Mode register DW
  - Reading of Time Schedule Data-point DU
  - Reading of Module status RSS
  - Reading of runtime RTT
  - Synchronisation of Time in Modules
- **Capacity**  
Based on the DESIGO System, the Interface is capable of supporting up to 1500 BACnet Objects.
- **Simple Efficient Engineering**  
The Solution simplifies engineering by being part of the Siemens DESIGO Tooling.
- **Trending**  
Data points represented as BACnet Objects can also be monitored with Trend Objects. The selection can be made as part of the engineering process.

### Product ordering codes

#### **BACnet AS1000**

## Architecture

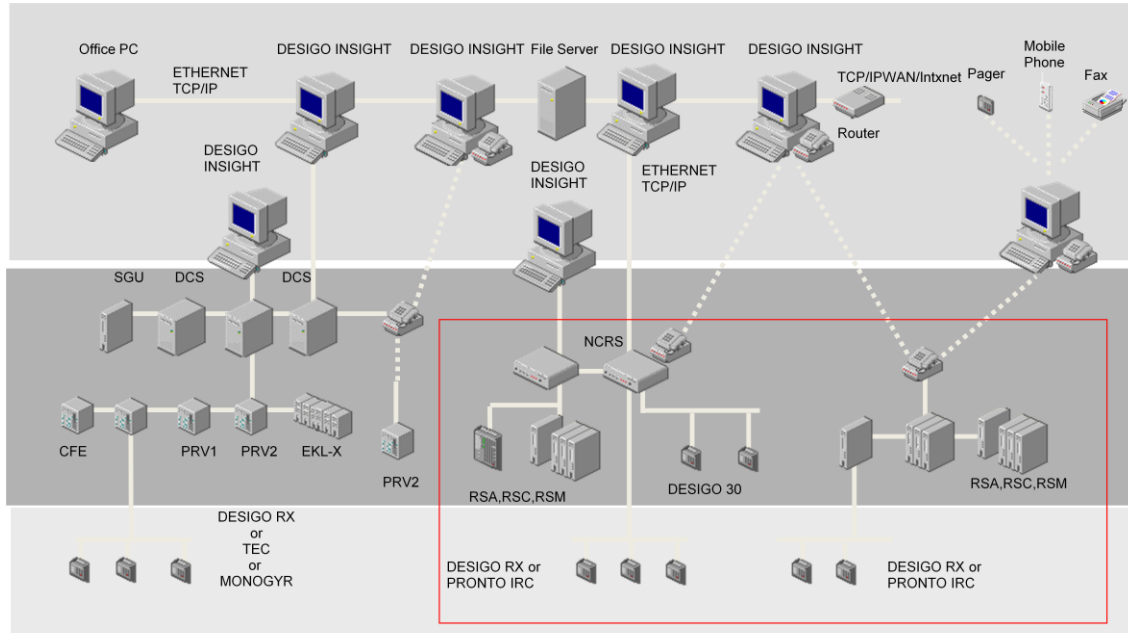


Diagram courtesy of Siemens Building Technologies

## Notes

- **Platform**  
The solution is based on the PX-OPEN. An Integration Platform that is a part of the Siemens DESIGO Range.
- **Availability**  
The BACnet AS1000 solution is developed and supported by INTEGRATED. It is available to Siemens Organisations and approved Siemens customers.
- **Technical and Pre-Sales Support**  
For questions regarding the Product, its features, functions, please contact us on Solutions@Integrated.ch or you local Siemens Office.

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