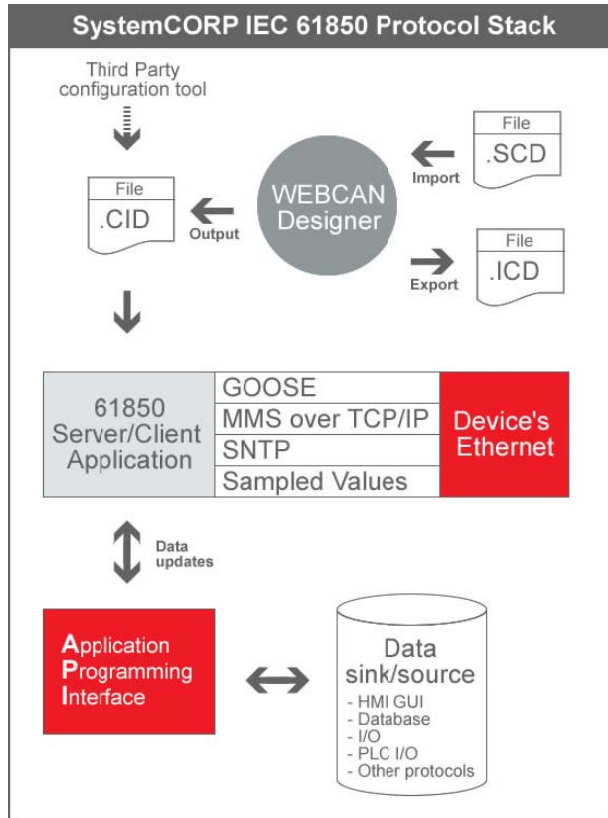


Information sheet: com.tom IEC 61850

IEC 61850 on IPC@CHIP®. IEC 61850 is a standard for utility automation systems including Smart Grids.



Features

- » MMS over TCP/IP
- » GOOSE Publisher/Subscriber
- » Sampled Values
- » Data sets
- » Buffered reporting
- » Unbuffered reporting
- » Direct control
- » Enhanced direct control
- » Data Logging
- » Time synchronization via SNTP
- » File Transfer via MMS and FTP

Protocol features

- » Portable IEC 61850 Client and Server Software Stack PIS-10
 - Cross platform 61850 stack allows adding 61850 support to SCADA, EMS and Substation Control software applications.
- » Fully Integrated Single Chip Solution IPC-10
 - Our Beck-IPC IEC 61850 on-chip solution enables a cost effective integration of IEC 61850 into your IED design.
- » WebCAN Designer Studio Configuration Tool
 - The IEC 61850 product range is configurable using the WebCAN Designer Studio as the only tool required.
 - System Configuration description Language (SCL) support for importing SCD Files and exporting and CID files.

The IEC 61850-compliant PIS-10 software stack can be launched as a client and as a server. Both applications can coexist at the same time on the IPC@CHIP®. The stack supports IEC 61850 services including GOOSE and sampled values.

The data model of the server can be designed using the WebCAN Designer Studio. The resulting SCL file is loaded into the chip and used to build the server on the chip.

Protocol conversation from other SCADA protocols such as IEC 8750-5-10 or DNP3.0 require only the additional executable files to be downloaded and configured through WebCAN Designer Studio.

Custom specific stack implementation can be offered through our IEC 61850 specialized engineering team.