

Simple components for effective and fast to market solutions



IPC@CHIP®
The heart of applications



Development-Kit
For simple implementations – Ready to Go



com.tom BASIC
Communication gateway



com.tom RADIO
Communication gateway with GSM/GPRS



com.tom GRAPHIC
Communication gateway with graphic display



Your IED

Partners for IEC 61850 and IEC 61400-25

Hard-/Software
SystemCORP

- IEC 61850
- IEC 61400-25
- SCL Tool
- Modbus, DNP3
- IEC 60870-5-101/103/104

Hardware
Exor

- HMI & Scada Solutions

Peopleware
NettedAutomation

- Education
- Training
- Consulting

Beck IPC GmbH

Grüninger Weg 24
35415 Pohlheim-Garbenteich / Germany

Tel. +49 6404 695-0
Fax +49 6404 695-500
E-Mail info@beck-ipc.com
Web www.beck-ipc.com



IEC 61850 Lite Implementation

IEC 61850 Client/Subscriber and Server/Publisher Integration on the IPC@CHIP®.

The IPC@CHIP® embedded platform facilitates the quick and cost-effective integration of your information into a standardized format.



 **Secure Communication**

IEC 61850 and IPC@CHIP® for simple to complex applications

Hardware specification SC1x3

- CPU SC186-EX / 96 MHz
- RAM (free) 8 MByte (approx. 7 MB)
- Flash memory SC123: 2 MByte (approx. 1 MB)
SC143: 8 MByte (approx. 7 MB)
- Ethernet 1 x 10/100BaseT / PHY, 1 x MII
- Temp. range -25 to 85°C

IEC 61850 Software implementation

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

Programming software included

Program your application in C/C++ or IEC 61131-3 and configure the IEC 61850 API with standard SCL (System Configuration Language).

Additional benefits

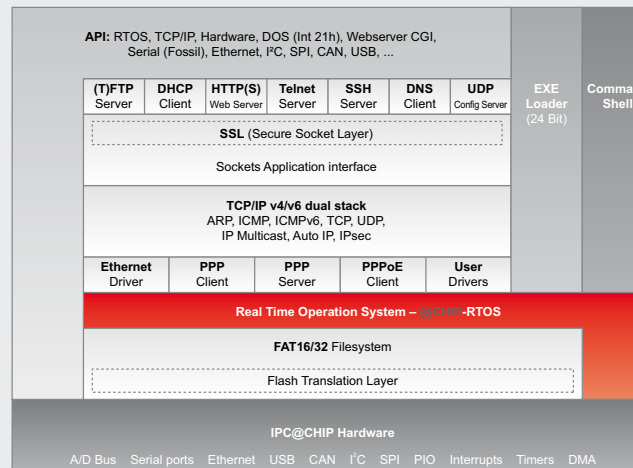
Useful source code sample files are available for free download from www.beck-ipc.com/examples :

- CAN
- Industrial communication (Modbus, EasyIP ...)
- etc.

Software implementation



IPC@CHIP® RTOS architecture



SC2x
Flexible, simple
and powerful



SC1x3
Maximum functionality
in a minimum of space



SC2x3
Maximum performance for demanding automation tasks

Simple extension with Add ons

Additional extensions in preparation

Wireless LAN



Bluetooth



GSM/GPRS



Graphic



IEC 61131-3

CoDeSys

EtherCAT

EtherCAT
Technology Group

M2M Communication



Fieldbus



Development Kits for all Hardware Platforms

Up and Running
in 15 Minutes

