

Information Sheet: IPC@CHIP DK51

The Development Kit for the IPC@CHIP SC11 and SC13 Embedded Controller



The IPC@CHIP DK51 Development Kit is a complete ready-to-use development system for building applications based on the new Embedded Controller IPC@CHIP SC11 and SC13.

The DK51 contains both hardware as well as software components needed in a basic development. The only thing you have to do is to add your application specific add-ons. As an example you get a 24V power supply with the capability to generate a power fail indication to store retentive data and the suitable software in source code.

The same, hardware and software included, for Compact Flash, Ethernet, and many more, for the hardware you have the possibility can get the complete and detailed schematics.

To add your own hardware you have the possibility to connect directly to the 16 bit pre-selected address/data bus of the Embedded Controller. The only thing is to add the according software to the pre-installed RTOS.

It is so easy. Just try it and you get your own application within minutes.

The DK51 comes in a systainer box and consists of a DK50 development board, SC13 Embedded Controller, Borland C++ Software Development Environment, serial cable and AC power supply with interchangeable plugs.

Development Board DK50

The development board integrates all functions, which are necessary to operate the SC13 Embedded Controller:

- Single power supply (24 VDC input)
- Two RS232 interfaces (COM and EXT)
- 10/100MBit/s Ethernet interface
- Compact Flash Card interface
- 12 programmable I/O pins with LEDs
- Digital extension port with 4 programmable chip selects (16-byte I/O space each)
- Power fail and Reset buttons
- Breadboard area for customer specific extensions



Example: DK50 Development Board with customer specific extensions.

SC13 Embedded Controller

The SC13 Embedded Controller is the latest product of the IPC@CHIP controller family. The SC13 is a complete single chip solution with an average performance factor of 3 compared to the present SC12 Embedded Controller. The SC13 Embedded Controller contains the reliable RTOS Real Time Multitasking operating system.

Software Development Environment

The DK51 contains a complete version of the Borland C++ Development Suite.

Read more about the IPC@CHIP product family on the Beck home page: <http://www.beck-ipc.com>