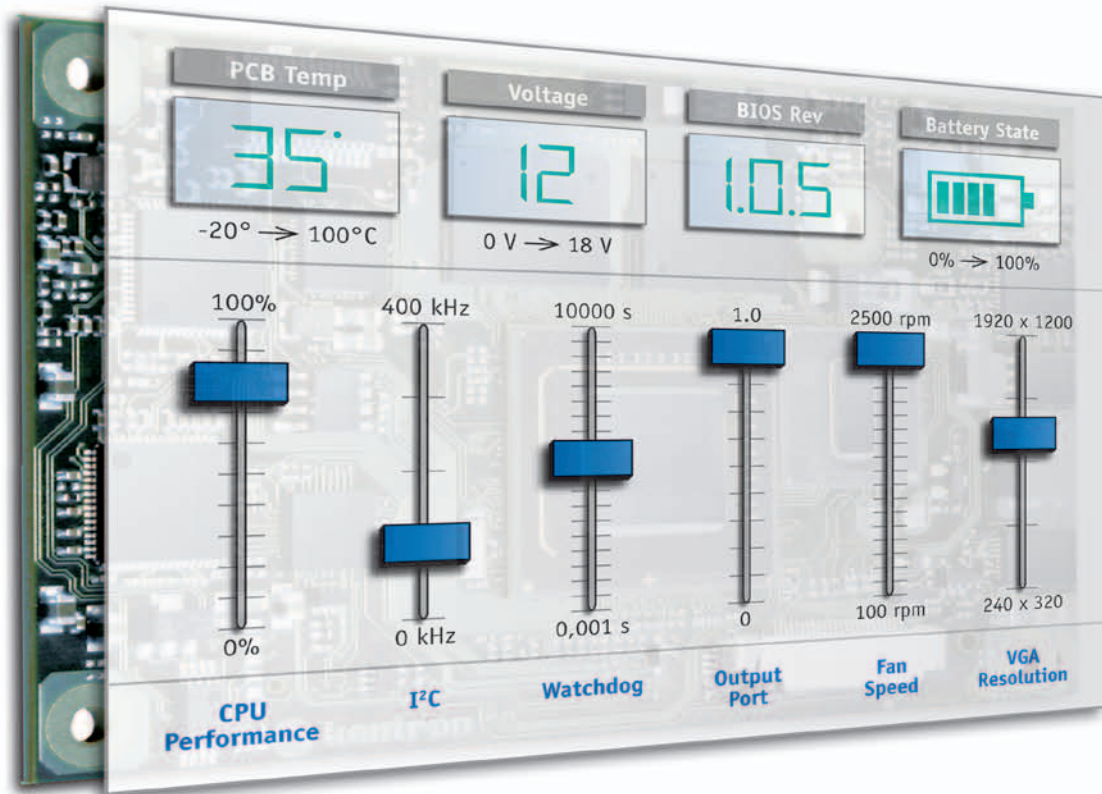


» K-station «



Everything under control

- » Powerful software toolkit and developer library for Computer-on-Modules
- » Easy-to-use programming interface
- » Independence, flexibility and on time in the market

» K-station «

Powerful software toolkit and library for Computer-on-Modules

In the past few years, ready-to-use software utilities have become an outstanding key issue in embedded solutions and applications. Kontron supports you with a powerful toolkit and developer library which is designed to fulfill perfectly the needs in Computer-on-Modules business.

What is K-station?

K-station is a software toolkit and API designed for:

- » Product and software development
- » Product support
- » Maintenance for application developers and software solution integrators

K-station What can it do?

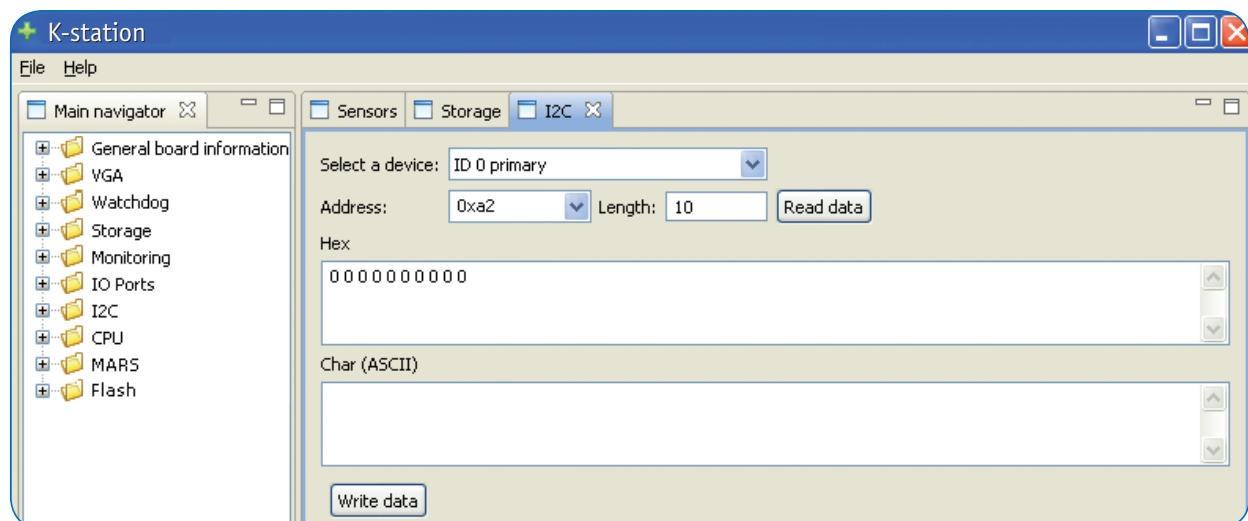
The whole power of **K-station** is demonstrated in a comprehensive and powerful reference application. It encapsulates all interfaces of the K-station library in a graphical user interface for fast and easy access. Read more about K-station's features on the next two pages.

Reference code & programming samples

These reference applications enable quick testing and debugging. The sources available can be used as sound reference code as well as programming samples.

Supported platforms

Kontron provides **K-station** for Microsoft® Windows®. Further operating systems are planned. The API is compatible with any higher programming language.



Reference Application: Easy handling and mouse navigation

» One API for all COM's «

Fully implemented features

The K-station features are fully implemented in the reference application and are easily accessed by mouse clicks through the main navigator, while all functions can be integrated into your target application via the API. The following paragraphs list a small selection of examples.

Configuration

VGA backlight, contrast and display resolution configuration made easy.

Watchdog timer and triggers can easily be set.

Boot logo customization and flashing.

Controlling

CPU cover temperature controlled by fan speed or CPU throttling.

Efficiently control conditions and service of the system itself. Access to digital Input/Output ports (if available) on Kontron products.

Provides read or write access for onboard storage areas such as EEPROM or CMOS.

**GET K-STATION FOR FREE AT
WWW.KONTRON.COM/K-STATION »**

Maintenance

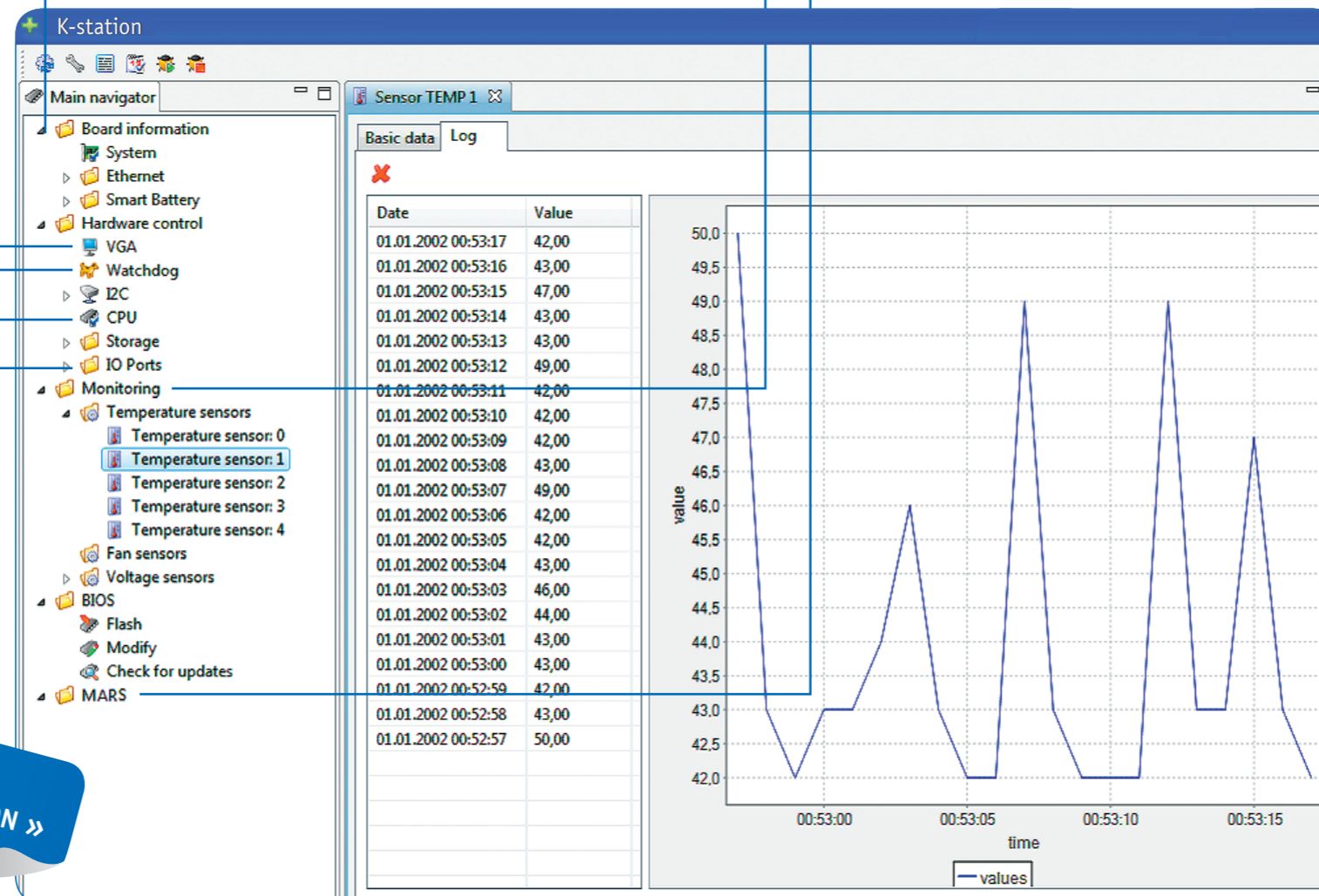
General information about Kontron Computer-on-Module itself: Serial No., PCB revision, BIOS rev., running time meter, boot counter, CPU information, CPU and PCB temperature, voltage meter.

Log files are stored as XML formats and can track ubiquitous information, i.e. system alerts, fan speed or voltages.

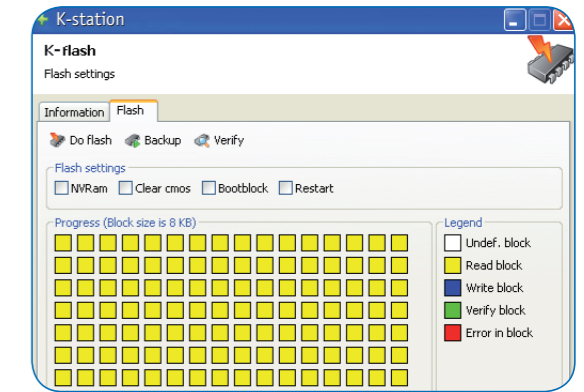
Monitoring

Support information can be displayed as charts and diagrams.

Kontron's MARS smart battery system is completely integrated and provides the status of system power connection, current battery voltage, capacity and remaining life-time from one, two or even more batteries.



K-station: Features can be called from the main navigator



K-flash enables easy updates and recovery of BIOS images.

How is the library linked?



All interfaces are accessible via the library but are also encapsulated as shell tools. This enables universal linking to any higher programming language, e.g. C, C++, C# and Java. For example, API calls are easily performed by simple process calls.

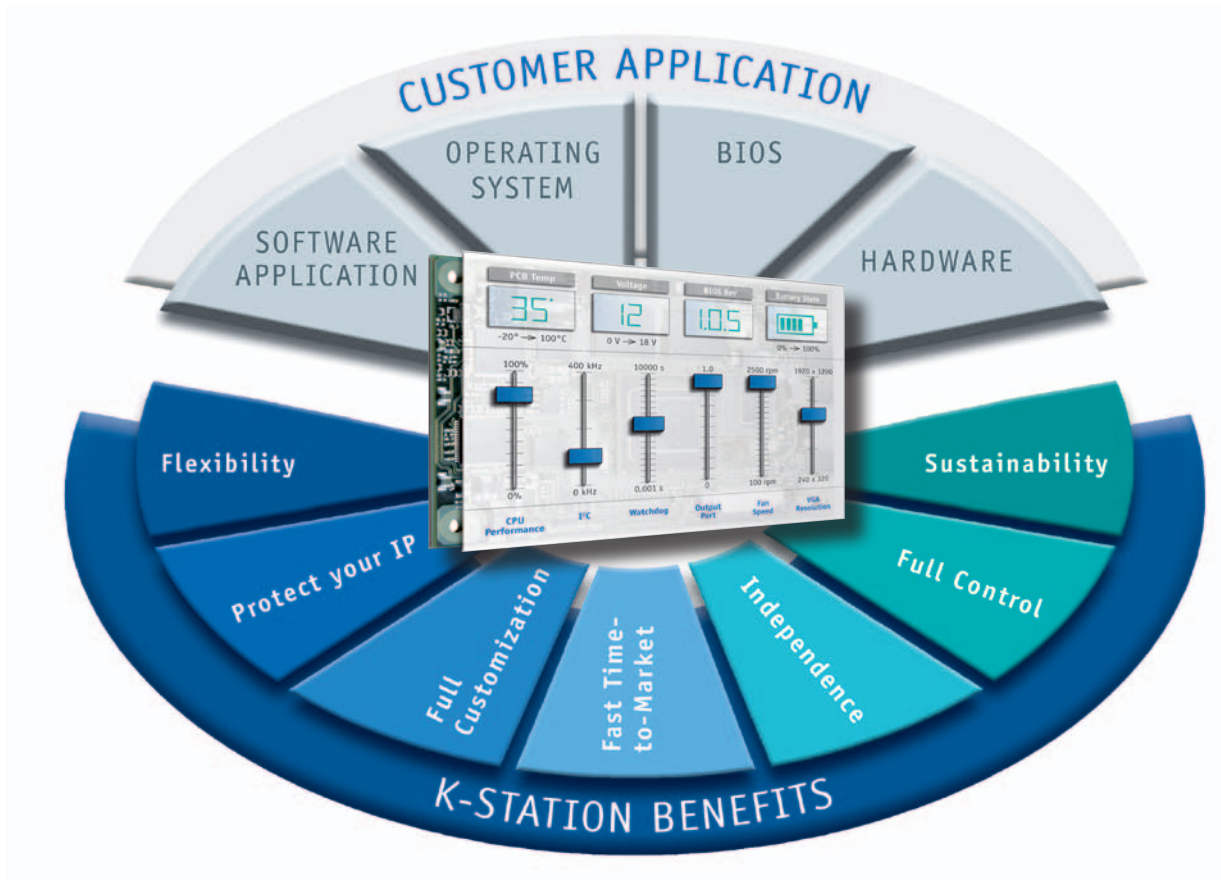
» Benefits in a nutshell «

K-station – everything under control

Different modules, different operating systems and even different development environments make the programmer's life more complicated. **K-station** overcomes this by establishing an abstraction layer. It provides an easy-to-use programming interface to achieve independence

and reuse know-how and code on different hardware module configurations, including hardware, BIOS and software configurations.

K-station's API is identical on all Kontron Computer-on-Modules.



Adjusting your target application to your needs is as easy as just clicking through all these tools. Fulfill your requirements for HMI, palmtops or 24/7 applications.

For more information about the K-station, please consult Kontron's website at

<http://www.kontron.com/k-station>

» Learn more «

Kontron Academy

Kontron's workshops provide a solid basis for the use, development and design-in of Kontron boards. Hands-on use of the development environment and understanding the building process and programming interfaces are the primary objectives of the Kontron training courses. Different workshops are available to address all the developer's hardware and software needs.

More information on training courses is available at www.kontron.com/academy

Hardware-related services and customization are offered by Kontron's Boards & More division. Please visit

www.kontron.com/boardsandmore

or ask your Kontron sales representative.

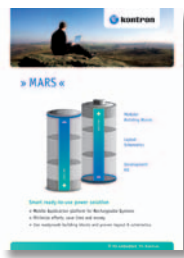


FACE TO FACE WITH CUSTOMERS NEEDS

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