

Thesycon Systemsoftware & Consulting GmbH — Company Profile

Services

Software development

- ❑ Design and implementation of custom device drivers for Windows operating systems
- ❑ Design and implementation of software for embedded devices (Firmware)
- ❑ Drivers for high performance bus systems such as USB and IEEE 1394
- ❑ Drivers for broadband multimedia, audio and video applications
- ❑ Network drivers for modern technologies such as ATM and ISDN
- ❑ System-level Windows applications and function libraries

Concepts

- ❑ Concept development for integrating device drivers into the operating system according to a given interface, e.g. DirectX, DirectShow, NDIS, TAPI, CAPI, USBDI, ASIO
- ❑ Design of software interfaces, device drivers and firmware
- ❑ Design of complete software solutions incorporating device drivers and embedded systems

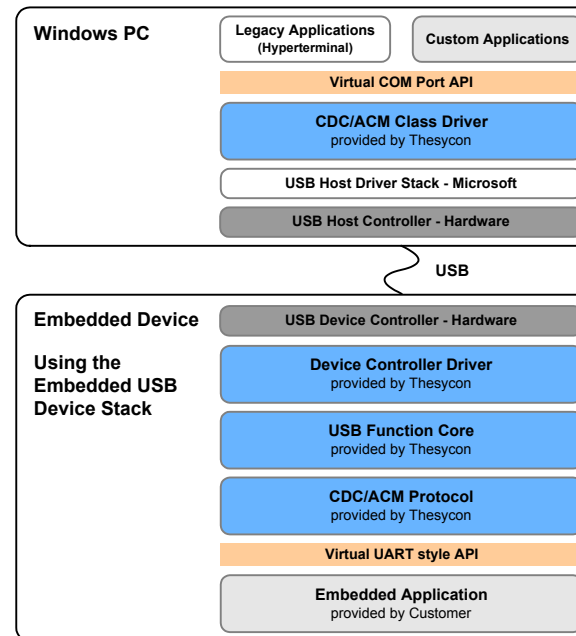
Consulting

- ❑ Creation of solution strategies to realize our customers' ideas
- ❑ Expert technical guidance and feasibility studies for complex projects
- ❑ Tailor-made training courses, also in cooperation with our partners

Products

Our product range is based on universal drivers, driver templates and development tools for Windows operating systems. It includes USBIO and VHPD1394, software development kits for USB and IEEE 1394 respectively. Each kit contains a generic device driver which provides Win32 applications with direct access to devices on the bus.

We also provide embedded software stacks for microcontrollers. So our customers are able to get a complete software solution consisting of device driver and firmware.



Detailed information and free evaluation versions are available on www.thesycon.de.

Projects

Completed projects demonstrate our expertise in various areas. Our drivers exploit modern concepts such as DirectX, kernel-mode streaming, Plug&Play and power management.

A detailed list of successfully finished projects is available for download at: <http://www.thesycon.de/dl/refprojects.pdf>.

Universal Serial Bus (USB 1.1 and USB 2.0)

- ❑ Generic drivers for USB 1.1/USB 2.0 devices
- ❑ API for measuring device with USB interface
- ❑ Firmware projects for USB 1.1/USB 2.0
- ❑ USB converter devices (RS-232, Ethernet, IEEE 1284, IEEE 488)

Firewire (IEEE 1394, i.Link)

- ❑ Generic drivers for IEEE 1394 devices
- ❑ IEEE 1394 bus driver (1394a/1394b)
- ❑ Driver for IEEE 1394-based camera devices
- ❑ Device driver and firmware for an IEEE 1394 frame grabber device

PC-based digital audio and video processing

- ❑ ASIO/WDM drivers for professional audio devices with USB or IEEE 1394 interface
- ❑ Data compression and decompression conforming to MPEG and JPEG standards
- ❑ Audio/Video processing and transmission
- ❑ Video overlay and video inlay technology

Network drivers

- ❑ ATM and virtual NDIS network adapters
- ❑ W-LAN network interface (PCI and CardBus)

