ZEISS SDC Interoperability Kit
Facts & Figures

Seeing beyond

ZEISS SDC Interoperability Kit Overview

The ZEISS SDC Interoperability Kit is a software library that can be used by software engineering teams to implement SDC connectivity for medical devices in the most efficient way.

SDC (Service-oriented Device Connectivity) is a standardized communication protocol designed to enable seamless connectivity between medical devices in clinical environments. It allows various medical devices – such as ventilators, infusion pumps, and monitoring systems – to communicate and exchange data in real time.

Benefits of the ZEISS SDC Interoperability Kit

Reduced, Faster Development Cycle

Achieve up to 50% reduction in integration efforts compared to traditional libraries.
Through our modern design principles, you can integrate with significantly less code, resulting in lower development & maintenance costs.

Scalable & Future-Proof

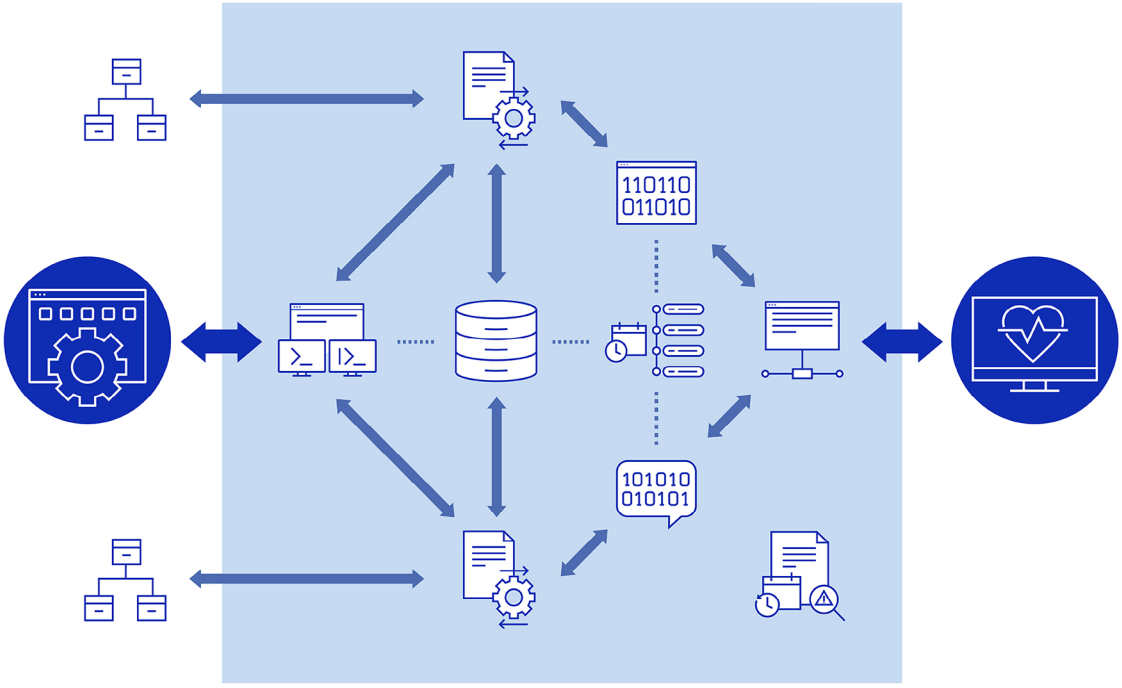
Stay current with regular updates and built-in automatic updates for latest features.
With ZEISS's strategic commitment and financial stability, you gain longterm support, while proactive feature alignment with SDC standards ensures you are always up to date.

Low Cost of ownership & Maintenance

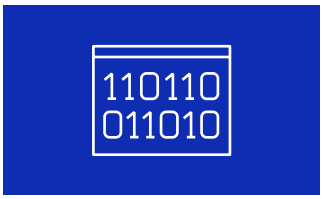
Reduce product maintenance efforts and eliminate the need for multiple stacks.
Our modern API and competitive pricing offers a cost-effective, low-risk pathway to SDC compatibility even on legacy devices while ensuring highest cybersecurity.

Streamlined Library Architecture

The streamlined architecture simplifies integration by requiring only the MDIB file that describes your device and the development of the product interface. The ZEISS SDC Interoperability Kit automatically generates SDC-compliant code from this information.

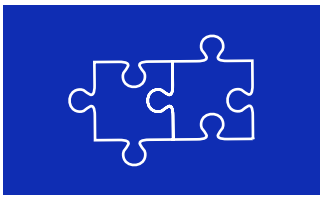


Key Features



Provider & Consumer Functionality

Cross platform and network Compatibility



IEEE 11073 SDC and IEC 62304 compliant

Includes documents needed for medical product approval

TLS based zero trust Architecture

MDPWS based communication

System Requirements target device

- CPU: ARM or x86, ≥ 800 MHz single core
- RAM: ≥ 100 MB (varies with feature use and MDPWS protocol)
- Network: Ethernet or Wi-Fi

Actual memory usage depends on enabled protocols and features. Requirements may evolve with future SDC/MDPWS updates.

Contact for questions and discussion

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- Product Manager for the ZEISS SDC Interoperability Kit
- 8 years of experience in product management and solution design for OR integration and tele-surgery software
- Expertise in defining product requirements, managing roadmaps, and optimizing hardware/software integration using healthcare interoperability standards
- Former Director of Solution Design, leading teams in digital health projects and process optimization

Looking to achieve interoperability in your medical technology?
The ZEISS SDC Interoperability Kit shows you how.
Explore more: https://zeiss.ly/SDC-Kit

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