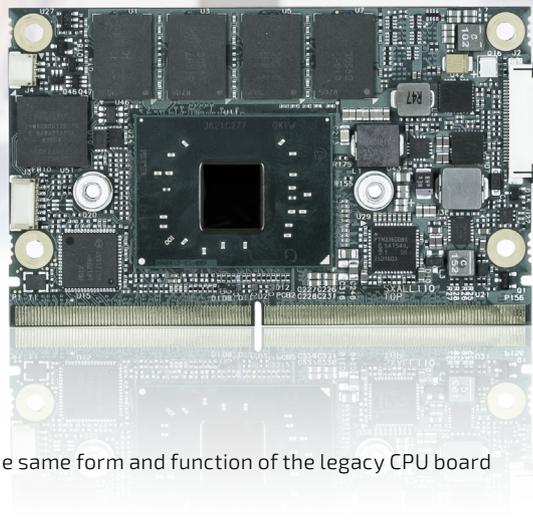


# SMARC™ CARRIER BOARD

Kontron's SMARC™ Approach to  
Medical Device Life Extension



## CHALLENGE

- ▶ Replacing the current medical device CPU board with an identical board to fit the same form and function of the legacy CPU board
- ▶ Sourcing contemporary parts for long-term future applications
- ▶ Running the legacy product Windows CE 5.0 application code with little or no modification
- ▶ Ensuring a cost-effective solution

## SOLUTION

- ▶ Upgrading to Kontron's SMARC-sXAL4 Module using a compact and fanless design with lower power consumption to meet medical grade requirements
- ▶ Implementing a SMARC™ Carrier Board hosting a Kontron SMARC™ Module based on Intel Apollo Lake with a balanced processor and graphics
- ▶ Using the SMARC design to easily support Windows 10 IoT Core and Win CE Container app and ensure compatibility with the medical customer's Windows legacy Win CE application software
- ▶ Choosing Kontron's SMARC™ Carrier Board to provide economic savings for the customer due to the smaller size and enhanced features

## BENEFITS

- ▶ Meeting all customer hardware and software requirements while maintaining the same look and feel for users with no need to re-train
- ▶ Sourcing low power x86 CPU board and Kontron software
- ▶ Enabling the production of the successful legacy medical device to continue
- ▶ Lowering cost while providing seamless integration and faster time to market

▶ Learn more about Medical:  
[SMARC Carrier Board](#)