

# VX-toolset for TriCore

---

Software development environment of certified  
compiler toolsets for Infineon AURIX™  
TC2xx/TC3xx microcontrollers.

## VX-toolset for TriCore

TASKING VX-toolset for TriCore is a complete development solution for the Infineon® AURIX™ TC2xx/TC3xx microcontroller family. The toolchain offers best-in-class optimizations for speed and size and reliably supports all architectures and microprocessor cores integrated in the TC2xx/TC3xx AURIX™ family.

The VX-toolset for TriCore is developed with TASKING's proprietary Viper Technology and seamlessly integrates the compiler, assembler and linker/locator to provide all the functionality to generate safety compliant code.



## Benefits

### Performance

- Generate efficient code with toolset optimizations for performance and code size.
- Save time compiling your source code with industry's shortest compile-link build times.
- Optimize your multicore application with the versatile linker script language.

### Reliability

- Developed with Automotive SPICE® Level 2 certified processes.
- User base includes all major Automotive OEMs, Tier 1 and Tier 2 safety development suppliers.
- Guaranteed compatibility with leading third-party solutions including AUTOSAR and MCAL drivers.

### Safety and Cybersecurity

- Certified by the TÜV NORD for ISO 26262 up to ASIL D and conforms to Cybersecurity standard ISO 21434.
- Sustain cybersecurity conformance and functional safety compliance for the life of your project.
- Safety and Security manual included in the Qualification Kit describes how to configure the toolset for safety-related projects and provides cybersecurity guidance.

## Specifications

<b>TriCore V1.6 Compiler</b>	ISO C/C++ compiler toolset.
<b>GTM, HSM (Hardware Security Module) and Standby Controller Compiler</b>	ISO C compiler for Generic Timer Module (BOSCH GTM IP v3.x) , Hardware Security Module (HSM) and Standby Controller (XC800).
<b>Static Code Analysis</b>	Integrated static code analysis support for MISRA C and CERT C.
<b>Run-Time Libraries</b>	Qualified run-time libraries according to ISO 26262 (up to ASIL D) for the TriCore architectures.
<b>Device Support</b>	VX-toolset for TriCore supports all AURIX™ TC2xx/TC3xx derivatives.
<b>Evaluation License</b>	Please contact us at <a href="http://www.tasking.com/contact">www.tasking.com/contact</a> to receive one month free of charge license to evaluate TASKING VX-toolset for TriCore.

## Features

- Integrated Development Environment based on Eclipse.
- Fully supports the architectures and microprocessor cores integrated in the Infineon AURIX™ TC2xx/TC3xx family.
- C/C++ compilers have integrated static code analysis for MISRA C and CERT C.
- Certified run-time and floating-point libraries according to ISO 26262 up to ASIL D.
- Hardware debug support via TASKING family of iC7 BlueBoxes.
- Conforms with ISO/IEC 9899:1999(E), ISO/IEC 14882:2011, MISRA C, CERT C, Infineon TriCore TCv1.6 EABI, ANSI/IEEE-754, and ELF/DWARF.

# TASKING®

EMPOWERING YOUR CODE, PULSE BY PULSE.

## TASKING Germany GmbH



Streitfeldstrasse 19, 81673 Munich  
Germany



+49 (0)89 2620 10080



[www.tasking.com](http://www.tasking.com)