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~~Infineon Technologies~~ *How to Develop
Drivers for AUTOSAR MCAL*

(Microcontroller Abstraction Layer)

~~TC1161/TC1162 32 Bit Single Chip
Microcontroller with TriCore~~

~~Precision32 32-bit Microcontroller~~

~~Overview~~

TriCore™ Free Tool Chain Tutorial -

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TC2xxx JTAG (GCT) iSYSTEM
Webinar – AUTOSAR OS and RTE
Profiling of Vector MICROSAR
Applications with Instrumentation
AURIX™ Application Kit – Main features
32-bit PIC Microcontroller Solutions
Overview AURIX™ microcontrollers for*

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As

AURIX™ 32-bit microcontroller family
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multicore microcontroller family;
Recognize how it applies to
Commercial, Construction and

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Agricultural Vehicles (CAV) Be familiar with the safety standards and support models available, and; Know which tools and development kits are available and where to find them.

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~~32-bit AURIX™ Microcontroller based
on TriCore™ - Infineon ...~~

AURIX (Automotive Realtime Integrated NeXt Generation Architecture) is a 32-bit Infineon microcontroller family, targeting the automotive industry in terms of performance and safety. Its multicore

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architecture, based on up to three independent 32-bit TriCore CPUs.

~~Infineon AURIX - Wikipedia~~

32-bit microcontrollers capture the lion share of \$-opportunity in automotive applications 8-bit 8-bit 16-bit 16-bit 32-bit 32-bit by unit by value 8-bit 16-bit

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32-bit AURIX™ microcontrollers fit basically to all 32-bit use cases (except infotainment) and is clearly gaining market share in 32-bit automotive market. Example:

~~AURIX™ 32 bit microcontrollers as the
basis for ADAS ...~~

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AURIX™ 32-bit TriCore™

Microcontroller In 1999, Infineon launched the first generation of the AUDO (AUtomotive unifieD processOr) family. Based on a unified RISC/MCU/DSP processor core, this 32-bit TriCore™ microcontroller was a computational power horse.

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~~AURIX™ 32-bit TriCore™~~

~~Microcontroller | ?????????? ...~~

Infineon's AURIX™ 32-bit
microcontroller family, with its
embedded Hardware Security Module
(), is a perfect fit for automotive
applications, where specific security

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Basic For Applications are required. Typical examples of such applications are tuning protection, immobilizer , secure on-board communication etc. Infineon not only offers a scalable portfolio of compatible AURIX™ devices, with ...

~~AURIX™ Security Solutions—Infineon~~

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32-bit Multi Core MCU AURIX

TLF35584 Safety Power Supply with
integ. WD 3-Phase Driver IC TLE9180

? CAN Main Switch Reverse Polarity
Protection Inverter TLE7251V

TLE7250V TLE9251V1) TLE6389 Pre-
reg Load dump protection – Active

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Clamping – Pre-regulator (TLE6389) ›
Same safety concept as 12V system
Scalable MCU family for all variants –
basic EHPS – Variable steering assist
– Up to ...

~~AURIX™ 32-bit Microcontroller family~~
AURIX™ Family – TC37xTP 32-bit

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Arm® Cortex® Microcontroller (MCU)
Families by Cypress Cypress
Semiconductor has become part of
Infineon Technologies: Its product
range is a perfect match.

~~AURIX™ Family TC37xTP Infineon
Technologies~~

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AURIX™ 32-bit microcontroller family for CAV. Know the **AURIX™** 32-bit multicore microcontroller family; Recognize how it applies to Commercial, Construction and Agricultural Vehicles (CAV) Be familiar with the safety standards and support models available, and; Know which

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tools and development kits are
available and where to find them.

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the AURIX ...

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~~32-bit Microcontroller (MCU) Infineon
Technologies~~

Infineon Technologies AURIX™ 32-bit
TriCore™ Microcontrollers are

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Designed to serve the exacting needs of the automotive industry in terms of performance and safety. Based on up to three independent 32-bit TriCore CPUs, AURIX MCUs offer the ideal platform for a wide range of automotive applications.

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~~AURIX 32-bit TriCore Microcontrollers
- Infineon ...~~

Functional safety features of Infineon AURIX microcontrollers This article focuses on hardware features to support functional safety for automotive and industrial applications which are available in the Infineon

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AURIX family of 32-bit
microcontrollers.

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AURIX microcontrollers~~

Synopsys Virtualizer Development Kit
(VDK) accelerates Infineon's
Hardware and Software Development

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~~(VDK) supports Infineon AURIX TC4xx
Microcontroller family~~

You know the architecture, basic on-
chip peripherals and features
(especially of the multicore
architecture and safety extensions) of

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Basic For Autos
the AURIX™ device family. You are able to program low-level drivers for this hardware, adapt them and test them with a debugger. You can moreover generate interrupt and trap routines.

~~AURIX™ TC2xx Workshop: 32 Bit~~

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Infineon Technologies AURIX™

TC27xT 32-bit TriCore

Microcontrollers are Microcontrollers
are designed to serve the exacting
needs of the automotive industry in
terms of performance and safety. The
AURIX TC27xT MCUs range from

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single core devices, up to
microcontrollers with 3 independent
CPUs.

~~AURIX TC27xT 32 bit TriCore
Microcontrollers Infineon ...~~

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TC397XX256F300SBCKXUMA1.

TC397XX256F300SBCKXUMA1.

AURIX 2G . Click image to enlarge.

Back. Manufacturer: Infineon. Product

Category: Microcontrollers ...

~~TC397XX256F300SBCKXUMA1 by
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Synopsys Expands Portfolio of Automotive VDKs with Support for Infineon's AURIX TC4xx 32-bit Microcontroller Family. PRESS RELEASE PR Newswire . Oct. 27, 2020, 09:05 AM. MOUNTAIN VIEW, Calif., Oct ...

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Infineon Technologies AURIX™
TC21xL 32-bit TriCore Microcontrollers
are Microcontrollers are designed to
serve the exacting needs of the
automotive industry in terms of
performance and safety. The AURIX

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TC21xL MCUs range from single core devices, up to microcontrollers with 3 independent CPUs.

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Synopsys Expands Portfolio of
Automotive VDKs with Support for

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Infineon's AURIX TC4xx 32-bit
Microcontroller Family. Posted
October 27th, 2020 for Synopsys.
Virtualizer Development Kit
Accelerates Infineon's Hardware and
Software Development from Concept
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