MARKET NEWS

Infineon expands AURIX™ TC3x with 400 MHz option to add real-time compute headroom without a platform change

Munich, Germany – 3 March 2026 – Infineon Technologies AG (FSE: IFX / OTCQX: IFNNY) introduces a 400 MHz performance class for its AURIX™ TC3x automotive microcontroller family. The new performance option addresses increasing software complexity and real-time processing demands in powertrain, chassis, and zone or domain control designs, allowing OEMs and Tier-1 suppliers to upgrade functionality without the need for a costly platform migration. By extending performance within the proven AURIX TC3x architecture, the 400 MHz devices enable faster deployment and lower integration risk while preserving investments in existing software, safety concepts, and hardware design.

“When extending an Electronic Control Unit (ECU) program, it is often performance constraints rather than the underlying concept that limit scalability. The 400 MHz AURIX TC3x enables customers to scale real-time software and integrate advanced safety features, supporting the transition to software-defined vehicle designs, while maintaining continuity with proven architectures and compliance standards,” said Vera Polland, Head of Product Line Propulsion Systems and Electrification, Infineon Technologies.

The 400 MHz AURIX TC3x microcontrollers increase CPU frequency by up to one third compared to earlier TC3x models, delivering critical headroom to meet the growing demands of real-time compute tasks. This allows automakers to implement more complex control algorithms, expand diagnostic features, and meet new communication requirements while preserving deterministic real-time behavior essential for safety applications. By significantly reducing the migration risk and redesign effort required for performance upgrades, the 400 MHz devices help teams fast-track ECU enhancements while staying on schedule.

Typical applications of the 400 MHz AURIX TC3x include engine management systems (EMS), chassis control, and advanced driver assistance systems (ADAS). For example, in EMS, the added processing headroom enables the integration of tighter real-time control loops while meeting emissions and diagnostics standards like Euro 7 and China 7. This ensures compliance while managing complex aftertreatment systems without delays or timing compromises.

In chassis and safety-critical systems like electronic stability control (ESC), the higher performance supports enhanced response times during safety maneuvers, allowing for

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increased sensor inputs and robust diagnostics. ADAS and domain controllers can also benefit from the ability to run more advanced perception and decision-making systems, supporting the evolution toward software-defined vehicle architectures.

Availability
First variants are starting production in 2026. Further information is available at www.infineon.com/aurix.

Infineon at embedded world
Embedded world will take place in Nuremberg, Germany, from 10 to 12 March 2026. Infineon will present its products and solutions for decarbonization and digitalization in hall 4A, booth #138, and virtually. For press inquiries, please contact media.relations@infineon.com. Industry analysts interested in a briefing can email marketresearch.relations@infineon.com.

About Infineon
Infineon Technologies AG is a global semiconductor leader in power systems and IoT. Infineon drives decarbonization and digitalization with its products and solutions. The Company had around 57,000 employees worldwide (end of September 2025) and generated revenue of about €14.7 billion in the 2025 fiscal year (ending 30 September). Infineon is listed on the Frankfurt Stock Exchange (ticker symbol: IFX) and in the USA on the OTCQX International over-the-counter market (ticker symbol: IFNNY).

Further information is available at www.infineon.com
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