MARKET NEWS

New high-performance microcontroller: Infineon launches AURIX™ TC4Dx

Munich, Germany – 6 November 2024 – Infineon Technologies AG (FSE: IFX / OTCQX: IFNNY) today announced the launch of the AURIX™ TC4Dx microcontroller (MCU), the first member of the latest AURIX TC4x family. Based on 28nm technology, the AURIX TC4Dx offers increased performance and high-speed connectivity. It combines power and performance enhancements with the latest trends in virtualization, Artificial Intelligence, functional safety, cybersecurity, and networking functions paving the way for new Electric/Electronical (E/E) architectures as well as the next generation of software-defined vehicles. MCUs like the AURIX TC4Dx are crucial to control and monitor a wide variety of systems in the automobile such as vehicle motion control, Advanced Driver Assistance Systems (ADAS) and chassis.

“Microcontrollers like our new AURIX TC4Dx are the backbone of software-defined vehicles. They are essential to further improve vehicle performance, safety and comfort.” said Thomas Boehm, Senior Vice President for Microcontrollers at Infineon. “The AURIX TC4Dx will contribute to secured processing performance and efficiency, and our customers will benefit from faster time-to-market and lower total system cost.”

The AURIX TC4Dx features an advanced multi-core architecture with the new 500MHz TriCore™ with six cores, all with lock-steps for highest functional safety performance. With its Parallel Processing Unit (PPU), the MCU provides an innovative platform for developing embedded AI-based use cases such as motor control, battery management systems or vehicle motion control. The MCU is supported by a strong software ecosystem and includes networking accelerators to boost Ethernet and CAN communication, as well as the latest interfaces such as 5 Gbit/s Ethernet, PCIe, 10Base-T1S and CAN-XL. This increased networking throughput and connectivity gives customers the performance and flexibility needed to implement E/E architectures. Its holistic approach to functional safety meets the highest functional safety requirements according to ISO26262 ASIL-D. The AURIX TC4Dx also fulfills latest cyber security standards according to ISO/SAE21434 including post-quantum cryptography support.

Public / For the Trade Press: INFATV202411.018e

Reinhard von Faltin (Headquarters)	+49 89 234 39694	reinhard.vonfaltin@infineon.com	**Investor Relations:**
Agnes Toan (Americas)	+1 408 250 1814	agnes.toan@infineon.com	+49 89 234 26655
Chi Kang David Ong (Asia-Pacific)	+65 6876 3070	david.ong@infineon.com	investor.relations@infineon.com
Lin Zhu (Greater China)	+86 21 6101 9199	lin.zhu@infineon.com	
Yasuyuki Kamiseki (Japan)	+81 3 4595 7079	yasuyuki.kamiseki@infineon.com	

Availability
The AURIX TC4Dx is currently sampling and will go in mass production in 2025. More information is available at www.infineon.com/aurixTC4x. Infineon will showcase the new MCU at electronica 2024 in Munich from November 12 to 15 (hall C3, booth 502).

Infineon at electronica 2024
At this year's electronica in Munich, Infineon presents innovative solutions that are helping to shape an all-electric society. Visitors can explore sustainable technologies that are transforming the mobility and automotive landscape, enabling sustainable buildings and smarter living, and promoting the growth of artificial intelligence with minimal environmental impact. The company will present intelligent and energy-efficient solutions for tomorrow's connected world from November 12 to 15 in Hall C3, Booth 502 under the motto “Driving Decarbonization and Digitalization. Together.” More information is available at www.infineon.com/electronica.

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 has around 58,600 employees worldwide and generated revenue of about €16.3 billion in the 2023 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
This press release is available online at www.infineon.com/press
Follow us: X - Facebook - LinkedIn

Public / For the Trade Press: INFATV202411.018e

Reinhard von Faltin (Headquarters)	+49 89 234 39694	reinhard.vonfaltin@infineon.com	**Investor Relations:**
Agnes Toan (Americas)	+1 408 250 1814	agnes.toan@infineon.com	+49 89 234 26655
Chi Kang David Ong (Asia-Pacific)	+65 6876 3070	david.ong@infineon.com	investor.relations@infineon.com
Lin Zhu (Greater China)	+86 21 6101 9199	lin.zhu@infineon.com	
Yasuyuki Kamiseki (Japan)	+81 3 4595 7079	yasuyuki.kamiseki@infineon.com	