

 Press Information

## Exhibitions

# TDK presents embedded solutions for next-generation applications at embedded world 2026

- TDK is represented from March 10 to 12 in Nuremberg, Germany, at booth 505 in hall 1
- Technologies ranging from sensor solutions, power supplies, and embedded motor controllers to flash storage solutions and microphones

February 26, 2026

TDK Corporation (TSE 6762) announces its participation in embedded world 2026, held from March 10 to 12 in Nuremberg, Germany. At booth 505 in hall 1, TDK will showcase a wide range of embedded solutions designed to meet evolving application demands. Visitors can engage directly with TDK experts to learn more about current technologies and system-level approaches.

Technology highlights include:

**Sensor solutions:** Sensing solutions for a variety of applications across IoT, Automotive, wearables, hearables, AR/VR, gaming, smart home, and accessibility technology.

- 2D/3D Hall-effect position sensors:  
Enable precise position detection of valves, flaps, and actuators within the automotive thermal management system. They are robust against magnetic stray fields and provide accurate position information even in harsh automotive environments.
- Temperature and pressure sensors:  
Provide accurate temperature and pressure measurement directly in fluid circuits such as oil, coolant, and refrigerant lines. Designed for harsh automotive environments, these sensors combine fast response times, robust signal stability, and easy integration to support efficient and reliable thermal management.
- Digital MEMS microphones:  
Showcasing audio capture, acoustic activity detection, and spoken keyword detection.
- TMR & MEMS sensor fusion:  
Tracking everything every time, an absolute orientation detection for accurate heading and navigation, using on-chip system-level sensor fusion of 6-axis IMU (Inertial Measurement Unit) and 3-axis magnetometer.
- Ultrasonic Time-of-Flight sensor in iSee One smart glass:  
Thanks to its obstacle detection capabilities and ultra-low power consumption, the ultrasonic ToF enhances accessibility for individuals with visual impairments in an ergonomic design of a smart glass.

**Embedded motor controllers:** Fully integrated motor controllers for the drive of small DC motors, e.g., in automotive thermal management applications such as pumps, valves, grille shutters, or fans.

- Embedded gate driver & motor control ICs:  
Support efficient control of BLDC motors driving pumps and actuators in thermal management applications. Integrated control and communication functions enable compact system design and reliable motor operation.

**Power supply solutions:** Advanced AC-DC power supplies and DC-DC converters for cutting-edge industrial, medical, and embedded applications.

- RGC series: 300 W rated ruggedized non-isolated DC-DC buck-boost converters with an input voltage of 9 V to 53 V.
- RGA series: 250 W rated ruggedized non-isolated DC-DC buck converters with an input voltage of 9 V to 40 V or 9 to 53 V
- CCG series: 6 W and 10 W rated DC-DC converters, suitable for through-hole or surface-mount placement.
- i7A series: non-isolated DC-DC buck converters with the industry-standard 1/16th brick footprint.

**Flash storage solutions:** Solid State Drives (SSDs) offering exceptional data reliability are ideal for applications like industrial equipment and edge computing, where stable operation is crucial.

- Solid State Drives (SSDs) featuring GBDriver series: moderately high-speed access and stable operation while securing data reliability.
- DRAM-less SSDs with a power backup circuit: minimizing data errors, ideal solution for industrial embedded systems.

These flash-storage technologies are already being integrated into European railway infrastructure and will be showcased at embedded world together with their applications. The demonstration is presented in collaboration with IHI Corporation and features the “3D Laser Radar Level Crossing Obstacle Detection System”.

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### About TDK Corporation

TDK Corporation (TSE:6762) is a global technology company and innovation leader in the electronics industry, based in Tokyo, Japan. With the tagline “In Everything, Better” TDK aims to realize a better future across all aspects of life, industry, and society. For over 90 years, TDK has shaped the world from within; from the pioneering ferrite cores to cassette tapes that defined an era, to powering the digital age with advanced components, sensors, and batteries, leading the way towards a more sustainable future. United by TDK Venture Spirit, a start-up mentality built on visions, courage and mutual trust, TDK’s passionate team members around the globe pursue better—for ourselves, customers, partners, and the world. Today, the state-of-the-art technologies of TDK are in everything, from industrial applications, energy systems, electric vehicles, to smartphones and gaming, at the core of modern life. TDK’s comprehensive, innovative-driven portfolio includes cutting-edge passive components, sensors and sensor systems, power supplies, lithium-ion and solid-state batteries, magnetic heads, AI and enterprise software solutions, and more—featuring numerous market-leading products. These are marketed under the product brands TDK, EPCOS, InvenSense, Micronas, Tronics, TDK-Lambda, TDK SenseEI, and ATL. Positioning the AI ecosystem as a key strategic area, TDK leverages its global network across the automotive, information and communication technology, and industrial equipment sectors to expand its business in a wide range of fields. In fiscal 2025, TDK posted total sales of USD 14.4 billion and employed about 105,000 people worldwide.

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