Press Release - for immediate release

7 January 2025

GigaDevice's Latest EtherCAT® SubDevice Controller Chip: A Game-Changer for Industrial Automation

Chatou/France, 7 January 2025. Macnica ATD Europe, a valued distribution partner of GigaDevice, is pleased to announce the availability of the GigaDevice EtherCAT® SubDevice Controller GDSCN832.

Officially authorized by Beckhoff, the GDSCN832 and GD32H75E MCU series are engineered for industrial automation, supporting applications such as servo control, VFDs, PLCs, and communication modules. With powerful processing capabilities and versatile interfaces, the GDSCN832 ensures real-time synchronization and efficient data handling.

Samples and development boards are available now, with mass production set for Q2 2025.

The GDSCN832 features dual internal PHYs, an MII extension interface, and 100BASE-TX support for 100 Mbps operation. It includes eight FMMUs for improved responsiveness and under 1 µs precision. Operating on a single 3.3V supply, it supports low-power modes, making it ideal for motor control and data acquisition.

Integrated with the GDSCN832, the GD32H75E series features a high-performance Arm® Cortex®-M7 MCU running up to 600 MHz. It includes hardware accelerators, on-chip Flash (1 MB to 3.8 MB), SRAM, and peripherals like USARTs, SPIs, USB, and CAN. Additionally, it offers high-precision ADCs, DACs, and a digital filter for motion control, all available in BGA240 packages for a wide range of industrial

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applications.

Macnica ATD Europe offers full technical support for the GigaDevice GDSCN832 EtherCAT® SubDevice Controller and GD32H75E MCU series, now available for purchase.

About Macnica ATD Europe

Macnica is a trusted technology solutions partner, empowering the world's leading businesses to succeed in the future. Macnica's products, services, and innovations are crafted to future-proof organizations by continually pushing the boundaries of what is possible.

Bold collaboration with partners and customers drives their products and services to new levels of achievement. By accelerating digital transformation, Macnica helps ignite exponential growth in technology, delivering forward-looking value that influences businesses, economies, society, and the planet.

Together with global partners, Macnica leverages the latest advancements in semiconductors, secure networks, and artificial intelligence to address tomorrow's challenges.

Macnica ATD Europe, a subsidiary of Macnica Inc., operates across Europe, with offices in France (Chatou), Germany (Munich, Ingolstadt, Regensburg), and the UK (Milton Keynes), providing expertise and innovative solutions to this dynamic region.

www.macnica.com/eu

About GigaDevice

GigaDevice Semiconductor Inc. (SSE Stock Code 603986) is a global leading fabless supplier. The company was founded in April 2005 and headquartered in Beijing, China, with branch offices in many countries and regions worldwide, providing local support at customers' fingertips. Committed to building a complete ecosystem with four major product lines – Flash memory, MCU, sensor and analog – as the core driving force, GigaDevice can provide a wide range of solutions and services in the fields of industrial, automotive, computing, consumer electronics, IoT, mobile, networking and communications.

GigaDevice has received the ISO26262:2018 automotive functional safety ASIL D certification, IEC 61508 functional safety production certification, as well as ISO9001, ISO14001, ISO45001, and Duns certifications. In a constant quest to expand our technology offering to customers, GigaDevice has also

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formed strategic alliances with leading foundries, assembly, and test plants to streamline supply chain management.

For more details, please visit: www.gigadevice.com

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