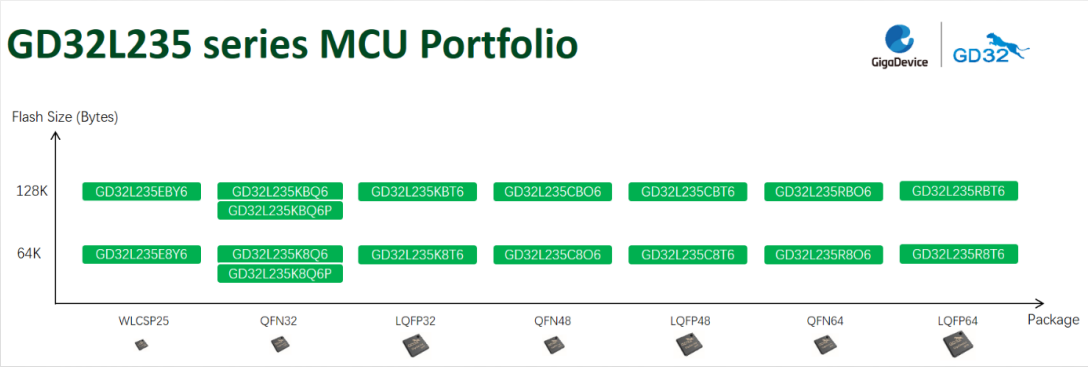
Press RELEASES

PR-No. 15 – 06. August 2024

GigaDevice Launches New Low-power MCU products of GD32L235 series

Beijing, China – May 14th, 2024 - GigaDevice (stock code 603986), a leading semiconductor company specializing in Flash Memory, 32-bit Microcontrollers (MCUs), Sensors, and Power Management technologies, has officially launched the GD32L235 series MCU, further enriching the selection of low-power products and reinforcing its presence in this market segment. The brand-new GD32L235 product series is designed to meet the needs of the low-power market segment. With enhanced power consumption efficiency, rich interface resources, and superior cost performance, it is ideal for applications including industrial metering, smart door locks, portable devices, IoT, e-cigarettes, and BMS. Offering a total of 16 model options across seven packages, including LQFP64/48/32, QFN64/48/32, and WLCSP25, the GD32L235 series MCUs have commenced official mass production and distribution.



The GD32L235 series MCUs have optimized and improved power consumption efficiency and support six low-power modes, including Deep-sleep, Sleep, Standby, etc. In Deep-sleep mode, the current drops to 1.8uA, and the wakeup time is less than 2uS; in

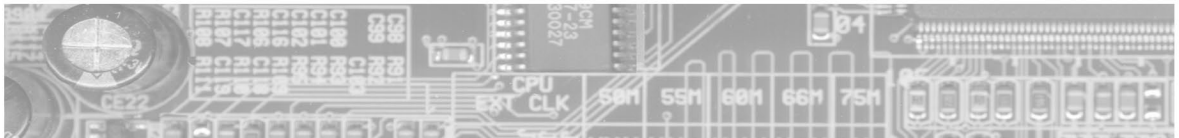
Standby mode, the current is as low as 0.26uA. Even under full-speed operating mode with maximum clock frequency, power consumption is only at 66uA/MHz, achieving an excellent balance between performance and power consumption.

The GD32L235 series MCUs use the Arm® Cortex®-M23 core with a clock frequency of 64MHz. In addition, they are equipped with 64KB to 128KB embedded flash memory and 12KB to 24KB SRAM. These MCUs are divided into two models based on storage capacity to cater to the varied requirements of users across different application scenarios. This series integrates two 16-bit low-power timers, six general-purpose 16-bit timers, one advanced timer, two basic timers, two low-power LPUARTs, two USARTs, two UARTs, three I2Cs, two SPIs, and other general peripheral interfaces, as well as standard communication interfaces such as one CAN2.0 controller and one USB2.0 FS controller. In terms of analog peripherals, this series is equipped with one 12-bit ADC supporting both differential and single-ended input modes, improving the accuracy and performance of the ADC module. Additionally, it integrates one 12-bit DAC and two comparators. The GD32L235 series offers the option of WLCSP25 ultra-small package, making it suitable for wearable consumer electronics, portable devices, and other application scenarios with limited hardware space.

The supporting documents, manuals, and software resources of the GD32L235 series are available in GD32MCU.com for users to download and utilize. Development tools tailored for various packages and pin configurations of the GD32L235 series have also been released. These include the GD32L235R-EVAL full-featured evaluation board and entry-level learning kits such as GD32L235O-START, GD32L235Q-START, and GD32L235E-START, providing users with convenient development and debugging experiences.

Availability and Pricing

More Information about availability, samples and pricing, please visit email: sales.europe@macnica.com.



Press RELEASES

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About GigaDevice

GigaDevice Semiconductor Inc. (SSE Stock Code 603986) is a leading global fabless supplier. The company was founded in April 2005 with branch offices in many countries and regions worldwide, providing local support at customers' fingertips. Committed to building a complete ecosystem with major product lines – Flash memory, MCU, sensor, and power 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 management system has achieved ISO 9001:2015 and ISO 14001:2015 certifications. Constantly looking to expand the technology offering to customers, GigaDevice has also formed multiple strategic alliances with leading foundries, assembly, and test plants to streamline supply chain management.

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

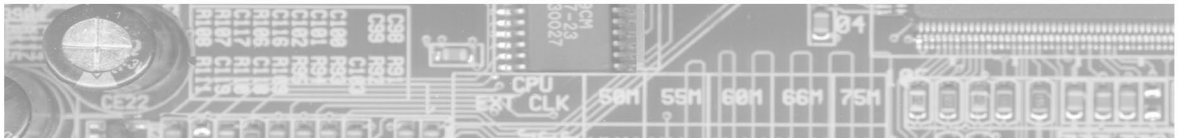
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About Macnica ATD Europe GmbH

Macnica's ATD Europe GmbH, (former Macnica GmbH), was originally established in the UK in 2006, and moved to Germany in July 2008, to increase efficacy of its service for European customers.

By it's acquisition of the Munich based company Scantec Mikroelektronik in 2014 Macnica Europe formed a powerful semiconductor distribution with headquarter in Ingolstadt and offices in Munich, Regensburg, Milton Keynes (UK) and Warsaw offering an attractive and competitive portfolio of highly sophisticated devices.

Macnica provides end to end support from design-in to production through its global service network to its customers, regardless of the final destination of the product shipment to customers' manufacturing locations.



About Macnica ATD Europe S.A.S.
Founded in 1990 as ATD Electronique, Macnica ATD Europe headquarter offers innovative components dedicated to imaging applications for the European market. Its product portfolio includes: image sensors (CCD, CMOS, InGaAs, Thermal etc.), optics, interface circuits, FPGA & IPs, imaging processors, cables and OLED microdisplays.

It also covers development tools and design services enabling fast and efficient realization of new high-performance camera systems for markets such as machine vision, medical, life sciences, surveillance, automotive and others. After the acquisition of the company by Macnica Inc. as of October 1, 2020 the company operates under the name Macnica ATD Europe.

About Macnica, Inc.
Macnica was established in 1972 as a semiconductor distribution company headquartered in Yokohama, Japan, and has over 85 sales offices worldwide in eastern Asia, Europe and the USA. Total number of employees is over 3,900 and its consolidated revenue for fiscal 2021 was approximately US$ 7.6 B.

Macnica is famous for having an excellent engineering team of more than 900 application support engineers, IC designers and software developers with strong focus on providing technical support for its customers including custom design services. Macnica is continuing to extend its presence globally by having successful partners in strategic areas in the electronics market.

More information about Macnica: https://www.macnica.com/global/en/home.html.

