

JH Solar

Gigadevice energy storage chip



Overview

GigaDevice's GD32 high-performance MCU series has been designed to use leading technology and core architecture, with higher processing power, greater storage capacity, and richer on-chip resources, to bring high-end innovative experiences to developers for industrial automation, photovoltaic energy storage, graphic displays, digital power supplies, motor control, and other diversified applications. Who is GigaDevice?

GigaDevice stands out as a major player in China's high-performance general-purpose MCU market, with its solutions deployed across a wide range of sectors including power electronics, industrial automation, automotive systems, and motion control.

Why should you choose GigaDevice?

As a leader in China's high-performance general-purpose MCU market, GigaDevice has been widely adopted across diverse sectors including power systems, industrial automation, automotive electronics, and motion control, with cumulative shipments exceeding 2 billion units.

What services does GigaDevice offer?

GigaDevice also offers a broad array of vertical market solutions, pairing high-performance products with tailored technical support and holistic system design services to meet diverse application needs. Navitas, a recognized pioneer in GaN power technology, offers an extensive portfolio of GaNFast™ power ICs.

Will GigaDevice & Navitas collaborate to accelerate GaN & SiC adoption?

Joint lab collaboration expected to accelerate GaN & SiC adoption in AI data centers, EV, solar and energy storage systems (ESS) Navitas & GigaDevice Announce Partnership to Combine Power & Control for Next-Gen, High-Frequency, High-Efficiency, & High-Density Power Platforms.

What is GigaDevice & Navitas semiconductor's joint R&D lab?

Collaborative R&D lab set to drive accelerated integration of GaN and SiC power solutions in AI data centers, EVs, solar infrastructure, and ESS applications. Navitas Semiconductor has revealed a strategic alliance with GigaDevice, a global frontrunner in microcontrollers (MCUs) and flash memory, to establish a joint research laboratory.

Who is GigaDevice semiconductor?

About GigaDevice GigaDevice Semiconductor Inc. is a global leading fabless supplier of MCUs and flash memory. 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.

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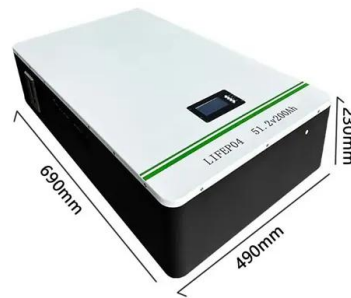


Navitas & GigaDevice partner to combine power & control for high

As a supplier in China of high-performance general-purpose MCUs, GigaDevice has been widely adopted across diverse sectors including power systems, industrial ...

GigaDevice's Industry-Leading Automotive Flash Memory ...

BEIJING, CHINA, 14 April, 2023 - GigaDevice (SSE: 603986), a semiconductor industry leader in flash memory, 32-bit microcontrollers (MCUs), sensors, and analog technology, proudly ...



Navitas & GigaDevice Announce Partnership to ...

Integrating Navitas' next-generation, clean-energy, GaNFast(TM) technology with GigaDevice's advanced high-performance MCU products will enable a new level of integration, performance, and high ...

GigaDevice Innovation targets four major industries to enter ...

The fourth category is lithium battery management chips, which are currently mainly

general-purpose charging chips and will gradually expand in fields such as energy storage and ...



Navitas & GigaDevice partner to combine power & control for high

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GigaDevice's MCUs Ecosystem at Embedded ...

GigaDevice will continue to drive the iteration of the low-power MCU product lineup from the process, core, product architecture, analog IP, wake-up mechanism, and energy-saving mode. It is a ...



Navitas and GigaDevice Partner to Deliver Next-Gen High ...

Integrating Navitas' next-generation, clean-energy, GaNFast(TM) technology with GigaDevice's advanced high-performance MCU products will enable a new level of integration, ...

Navitas & GigaDevice Announce Partnership to Combine Power ...

GigaDevice's GD32 high-performance MCU series has been designed to use leading technology and core architecture, with higher processing power, greater storage ...



Navitas & GigaDevice Announce Partnership to ...

GigaDevice's GD32 high-performance MCU series has been designed to use leading technology and core architecture, with higher processing power, greater storage capacity, and richer on-chip

Navitas and GigaDevice will create joint lab

GigaDevice's GD32 high-performance MCU series has been designed to use leading technology and core architecture, with higher processing power, greater storage ...



TAX FREE

ENERGY STORAGE SYSTEM

Product Model
HJ-ESS-215A(100KW/215KWh)
HJ-ESS-115A(50KW/115KWh)

Dimensions
1600*1280*2200mm
1600*1200*2000mm

Rated Battery Capacity
215KWH/115KWH

Battery Cooling Method
Air Cooled/Liquid Cooled

216MHz GigaDevice GD32G5 Cortex-M33 MCU ...

Designed for industrial applications, the GD32G5 microcontrollers also offer a wide range of digital and analog interfaces and enhanced security capabilities suitable for digital power systems, charging ...

GigaDevice Launches the GD32H7 Arm® Cortex® ...

Beijing, China - May 29th, 2023 - GigaDevice Semiconductor Inc. introduces its first Arm® Cortex®-M7 core microcontroller (MCU) product family, the GD32H737/757/759 ultra-high performance MCU series.

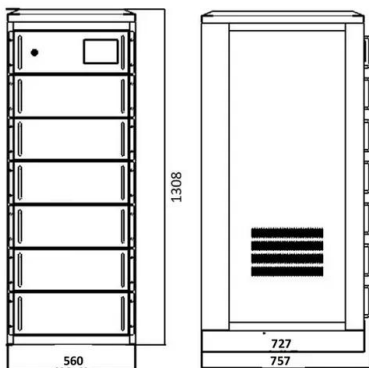


In-depth Interview , Insights on GigaDevice's "Soft" Power Based ...

Conversely, GigaDevice's current performance growth is primarily attributed to its presence in diverse markets, including industry, energy, energy storage, and automotive ...

Navitas & GigaDevice Announce Partnership to Combine Power ...

A co-developed solution of Navitas' power and GigaDevice's control will further accelerate the adoption of GaN & SiC into higher-power markets.



GigaDevice launches the GD32G5 series high ...

Beijing, China (November 12, 2024) - GigaDevice (Stock Code: 603986), a leading semiconductor supplier, today officially announced the launch of the GD32G5 series high-performance microcontrollers, based on the Arm® ...

What made GigaDevice's MCU Rose to a ...

GigaDevice is also actively exploring better intelligent application solutions for embedded systems and end devices, including radiofrequency, new storage, hardware accelerator, signal chain, real-time ...



GigaDevice will present multiple solutions at SNEC PV Expo to ...

This chip can be used for large-scale energy storage and industrial and commercial energy storage applications, providing customers with more accurate ...

GigaDevice announces GD32F5 Cortex-M33 microcontroller

According to GigaDevice, the GD32F5 series is expected to find applications in "energy and power management, photovoltaic energy storage, industrial automation, ...



Navitas, GigaDevice partner on next-gen high-efficiency power ...

As a leader in China's high-performance general-purpose MCU market, GigaDevice has been widely adopted across diverse sectors including power systems, ...

GigaDevice Innovation targets four major industries to enter

...

"For example, the sweeping robot application solution is a typical example of GigaDevice's system-level product portfolio." pointed out, "This solution combines GigaDevice's many ...



Gigadevice Category

The products support seamless OTA updates with a maximum of 2MB for Read-While-Write (RWW) operations. According to GigaDevice, the GD32F5 series is expected to find applications in "energy ...

gigadevice News

Gigadevice GD32VW553 is a new 160MHz RISC-V microcontroller for IoT applications with support for WiFi 6 (802.11ax) and Bluetooth 5.2 Low Energy (LE) and available in QFN32 and QFN40 ...



GigaDevice showcases advances in Flash and MCU Technologies

Bi-directional energy storage inverter GigaDevice has created a bi-directional energy storage inverter based on its GD32G553 MCU. This system enables energy flow ...

What is GigaDevice's answer on automotive storage and MCU?

At present, there are only 21 automotive chip stocks with a market value of over ten billion, among which GigaDevice's latest market value has reached 65.2 billion. GigaDevice, which can cover ...



GD32 Mainstream MCUs- GigaDevice

GigaDevice's mainstream MCUs offer versatile performance and energy efficiency for a wide range of applications in consumer and industrial electronics.

Navitas, GigaDevice Join GaN and SiC for High-Power Use

Energy Storage: Storage systems need fast, bidirectional converters for charging and grid interaction. GaN's switching speed allows for tighter control over charge cycles and ...



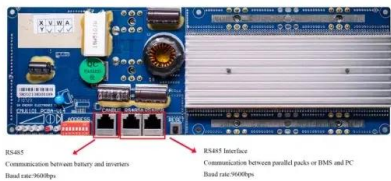
GigaDevice's new generation of SPI NOR Flash memory: energy ...

GigaDevice has presented its new memory series SPI NOR Flash Dual-powered, specifically designed to improve energy efficiency in devices operating at low voltages. This ...

GigaDevice Innovation targets four major industries to enter

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With the vigorous development of emerging applications such as wearable devices, automotive electronics, Internet of Things, and cloud computing, as well as users' increasingly high pursuit ...



Revolutionizing Industrial Energy Storage: Exploring the Four Key

This article analyzes the four key technological advantages of GigaDevice 's commercial energy storage BMS solution. As the "dual carbon" goals accelerate, commercial ...

GigaDevice Innovation targets four major industries to enter

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With the booming development of emerging applications such as wearable devices, automotive electronics, Internet of Things, and cloud computing, as well as users' increasing pursuit of ...



Flash , MCU , Sensor , Analog , Solutions-GigaDevice

GigaDevice is a world-leading supplier of 32-Bit MCUs, Flash, smart human-machine interaction sensors, analog products and solutions.

[News] Chinese Memory Industry in High Gear as Manufactures ...

The company will focus on sub-17nm DRAM processes, UFS 4.0 NAND chips, and RISC-V-based MCUs, as well as strategic M& A in automotive storage and industrial ...



GigaDevice Innovation targets four major industries to enter ...

along with Wearable device, automotive electronics, Internet of Things, cloud computing and other emerging applications, as well as users' increasing pursuit of intelligent life, are ...

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