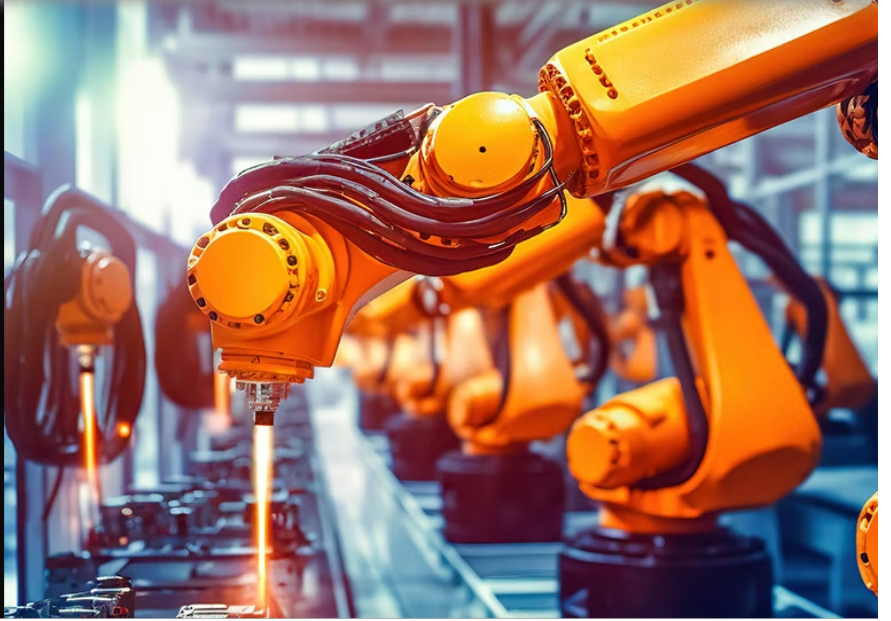


MARKETS & INDUSTRIES

# Memory and storage for industrial IoT solutions

Micron has a complete portfolio of memory and storage technologies to create "smarter" IoT (Internet of Things) devices for a wide assortment of industries. Micron can provide the right memory and storage technologies for any industrial IoT solution, with a wide array of form factor, power, performance, capacity and lifecycle options.

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[Overview](#) | [IoT products](#)

## Industrial IoT applications

Industrial technology is evolving into the industrial IoT. As IoT computing systems get smarter and IoT software guides more data-driven decisions, IoT platforms require a growing footprint of high performance, low power consumption, and long-life memory and storage.



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### IoT gateways and edge servers

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### Industrial automation

[Jump down to section](#) →

## Internet of Things gateways and edge servers

Industrial digital transformation requires new IoT edge devices and IoT gateways to convert data into insights. Micron's industrial memory and storage solutions address needs from infrastructure to AI at the edge.



# Internet of Things gateways and edge servers

Industrial digital transformation requires new IoT edge devices and IoT gateways to convert data into insights. Micron's industrial memory and storage solutions address needs from infrastructure to AI at the edge.



## Winning the race to the IoT edge

Learn how Micron fuels the Internet of Things to bridge enterprise and industrial systems for internet of things solutions across factory automation, oil and gas, smart cities, video security, health care and many other markets.

[View IoT flyer →](#)



## Innovate for the IoT edge with Micron memory and storage

Network edge solutions perform in near real time and host IoT platforms, making Micron's memory and storage essential components for AI inferencing, predictive maintenance and data historians.

[Watch IoT video →](#)



## Building better EV charging stations

Building an edge strategy isn't a sprint but a marathon. There's a huge appetite and excitement for having greater intelligence at the edge to drive insights from data where it is created.

[View EV charging blog →](#)



## AI at the Edge: Future memory and storage in accelerating intelligence

The expanding use of AI in industry is driving complex approaches like ML, deep learning, and large models. Micron focuses on refining memory and storage for AI at the Edge to handle massive data efficiently.

[View edge solutions blog →](#)

# Industrial automation

Industrial automation technologies use connected, smart machines to improve operational efficiency. Industrial PCs and embedded IoT infrastructure solutions rely on Micron's products and internet of things platform level support to accelerate time to market.



## Accelerating AI at the edge demands the right kind of partnerships

Managing AI at the edge introduces new challenges. The value of partnerships between a dedicated ASIC accelerator with the right kind of memory technology not only improve neural network efficiency but also offer flexibility in supporting a wide range of AI applications.



## One source for medical IoT memory and storage solutions

Micron memory and storage solutions support manufacturers of consumer medical equipment, portable telehealth monitoring systems, medical imaging, and medical robotics solutions.

[Read medical IoT flyer →](#)



## Building solutions for industrial-grade products matters

Medical, transportation and critical infrastructure businesses require powerful computing cores. Micron's industrial-grade memory enables best-of-breed computer-on-modules.

[Read industrial IoT blog →](#)



## Edge IoT applications with object-recognition development kits

Learn why Renesas selected Micron memory and storage technologies for use in its industrial IoT edge development board.

[View edge IoT blog →](#)

value of partnerships between a dedicated ASIC accelerator with the right kind of memory technology not only improve neural network efficiency but also offer flexibility in supporting a wide range of AI applications. Micron and Hailo have partnered to offer a right-sized solution for countless edge applications.

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of consumer medical equipment, portable telehealth monitoring systems, medical imaging, and medical robotics solutions.

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[Read industrial IoT blog →](#)

Learn why Renesas selected Micron memory and storage technologies for use in its industrial IoT edge development board.

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## Micron achieves IEC 61508 SIL 3 Certification - Expanding Functional Safety Leadership into Industrial Markets

Micron has achieved IEC 61508 SIL 3 Functional Safety certification, marking a pivotal expansion of its safety leadership from automotive into industrial applications. This reflects Micron's commitment to cutting-edge memory innovation and quality. This offering further empowers embedded system integrators to accelerate development timelines and streamline safety certifications as they build mission-critical industrial systems.



# Memory and storage products for IoT

Get reliable IoT performance with Micron's memory and storage IoT products — delivering high capacities and industrial temperature options in several small form factors.

## Intelligent choices for your IoT designs

DRAM

DRAM modules

NAND flash

Managed NAND

Memory cards

Multichip packages

NOR flash



High bandwidth - High speed - Performance

Whether on the manufacturing line or on an oil rig, accelerate your product development and get to market faster with tested and proven Micron DRAM.

[Learn more about DRAM](#)



Memory cards

Multichip packages

NOR flash

Industrial SSDs

market faster with tested and proven Micron DRAM.

[Learn more about DRAM](#)

# micron Industrial Quotient Valued Partner

## The new IQ for success in IoT

Micron's Industrial Quotient (IQ) is all about making intelligent choices for your industrial platform designs. Choices that not only meet functional requirements, but also ensure long-term reliability and quality while keeping product lifecycle management simple.

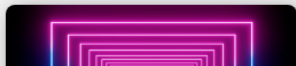
[LEARN MORE ABOUT MICRON IQ](#)

## IoT FAQ

- + [What is IoT \(Internet of Things\)?](#)
- + [What is the industrial internet of things \(IIoT\)?](#)
- + [How do Micron memory and storage solutions enable industrial IoT?](#)
- + [Why are Micron memory and storage solutions a good fit for Industrial IoT?](#)

## There's a different consideration set when choosing industrial-grade memory

Micron knows that. So we design our embedded memory products accordingly. From wider temperature ranges, to smaller form factors, to embedded security, Micron's crafting key innovations in the growth of IoT.



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**Micron extends functional safety leadership from automotive to industrial markets**

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**Industrial and multimarket applications memory flyer**

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**Taking autonomous mobility from the ground to the air**

[View blog →](#)



**Enable a digital twin with the right memory**

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Your online source for placing and tracking orders for Micron memory samples.

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Resources to help you design, test, build and optimize your innovative designs.

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