Micron does more than design and manufacture nonvolatile (NVM) memory. We strive to solve design challenges through better engineering—by raising the bar on features, functionality, and performance. We’ll work with you so that you can leverage our design expertise, systems knowledge, and familiarity with the overall NVM market to your best advantage.

Whatever your application calls for, we can offer you an innovative, optimized solution:

- Conventional SLC, MLC, or TLC NAND Flash
- NOR Flash
- Solid state drives (SSDs) and embedded USBs
- Multichip packages (MCPs)
- eMMC embedded memory
- Serial NAND Flash
- Enterprise NAND Flash
- High-speed NAND interface

Micron® Nonvolatile Memory

Why Micron NVM is the Best Fit for Your Applications

1. Technical Support Throughout Your Design Cycle
   Multistage technical assistance helps you design in some of the industry’s highest-quality memory with ease.

2. Micron’s NVM Expertise
   Our leadership in process technology and design ensures optimum performance and reliability.

3. Specialized Products
   Specialized solutions take NVM in new directions to enable applications that are storing data in new ways.

4. Quality Products
   Stringent quality and reliability testing makes our devices stand out as some of the highest-quality parts in the industry.
Innovative NVM Solutions

Discrete NAND Flash Devices

**SLC, MLC, TLC NAND**

Our high-density, discrete NAND Flash memory matches performance characteristics with the very different needs of nonvolatile solid state storage applications for a better cost per bit. We offer a wide range of densities, voltages, and configurations with Pb-free packaging, plus extensive support with controller manufacturers and software support options.

Embedded NAND Flash

**MCPs**

Whether you're trying to minimize power consumption, maximize board space, increase speed, or do everything at once, our MCPs can drive your design, no matter what the application. Mix and match the devices, configurations, and package options you need to power your next automotive, consumer, embedded, mobile, or medical application.

**e·MMC Embedded Memory**

Our e·MMC embedded memory combines high-capacity NAND Flash memory with a high-speed, MultiMediaCard (MMC) controller in a single package. If you're looking to simplify your hardware and software integration, our e·MMC solutions have an easy-to-use BGA package, a managed interface, internal error handling, and a high-performance controller. It's everything you want, plus the performance and reliability you need—and it will get you to market quickly.

SSD Solutions

Our family of SSDs and embedded USBs serves a wide spectrum of needs, from low-density, cost-effective embedded solutions to standard HDD replacements and tier-0 enterprise storage.

Specialty NAND Flash

**High-Speed NAND Interface**

Built using the ONFI standard, our high-speed NAND interface delivers ultra-fast read and write throughputs—up to five times the performance of a standard asynchronous NAND interface. And compliance with ONFI standards enables both backward-compatible and forward-looking designs.

Serial NAND

Our Serial NAND Flash is a lower-cost, higher-density alternative to serial peripheral interface (SPI) NOR solutions. Available in densities starting at 1Gb, serial NAND offers faster write performance than NOR at a lower cost per bit. Serial NAND will help improve performance, increase density, eliminate a controller or card slot, and shrink your BOM costs.

Enterprise NAND

Our Enterprise NAND is a high-endurance MLC NAND Flash solution optimized for intensive enterprise storage applications where endurance is the top priority. It far surpasses standard MLC NAND cycle rates by delivering 30,000 WRITE/ERASE cycles, in an ONFI-standard package.

NOR Flash

Micron is #1 in the NOR Flash business, with one of the largest selections of NOR options in the world. Densities range from 512Kb up to 2Gb, with several different package types. Both serial (SPI) and parallel interfaces are available with features like quad I/O, burst reads, faster programming, security, and 1.8V/3.0V versions. Automotive-class memory is also available in many of these options.

Contact Us

Our long tradition of innovation and technology leadership has helped shape our broad nonvolatile memory offering. Take a closer look at the products, features, and design support we offer, knowing that we cover everything from mobile, to embedded, to enterprise storage applications. Find out more about our NVM memory products at [micron.com](http://micron.com).