Industry Trends

- Economies of scale are driving the need for high-performance, energy-efficient solutions in the storage space.
- Enterprise data storage is positioned to grow rapidly due to new requirements for improved reliability, performance, and compatibility.
- Significant improvements in NAND and DRAM process technologies are driving the shift toward solid state storage media as the optimized market solution.

Impact on Memory

- Read and write caching functionality is creating demand for higher-capacity, higher-performance DRAM solutions.
- Scale requirements in the cloud infrastructure space are driving the need for enterprise-grade multilevel cell (MLC) SSD technology.
- PCIe SSDs are driving performance benefits through incorporation of local storage solutions.
- As dual- and quad-I/O capabilities continue to boost SPI NOR Flash performance, SPI NOR is becoming an increasingly viable option over parallel NOR for board designs that require both a small form factor and fast performance.

Why Micron for Storage?

Technology Leadership

- Enterprise SSD offerings combine SLC and MLC NAND and optimized NAND-management algorithms to bring unprecedented read/write performance and energy efficiency to storage applications.
- Industry-leading patent portfolio available in the areas of memory process development, logic design, and memory subsystem technology.
World-Class Quality and Reliability

• ISO certifications and rigorous quality standards demonstrate exceptional commitment to customer service, collaboration, and support.
• Micron’s Quality Management System includes metrics and programs that move beyond products and focus directly on partner-customer collaboration.

Breadth of Product Portfolio

• Legacy DRAM support available for SDRAM, DDR, and DDR2 for multiple component densities.
• Customers can choose from memory solutions that are balanced across performance, capacity, and cost, accelerating time-to-market.