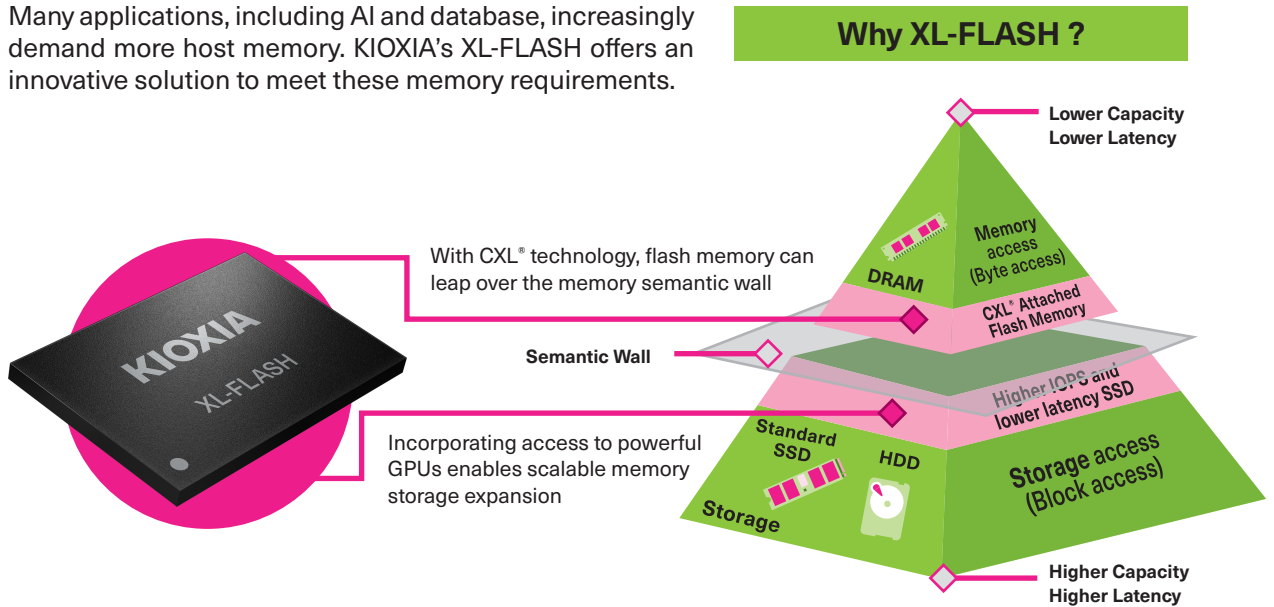


# Opening New Doors in the Big Data Era

## Low-Latency Flash as a Catalyst for Innovation

KIOXIA XL-FLASH is an extremely low-latency, high-performance flash memory. XL-FLASH is designed to address the performance gap that currently exists between volatile memories such as DRAM and current flash memory.

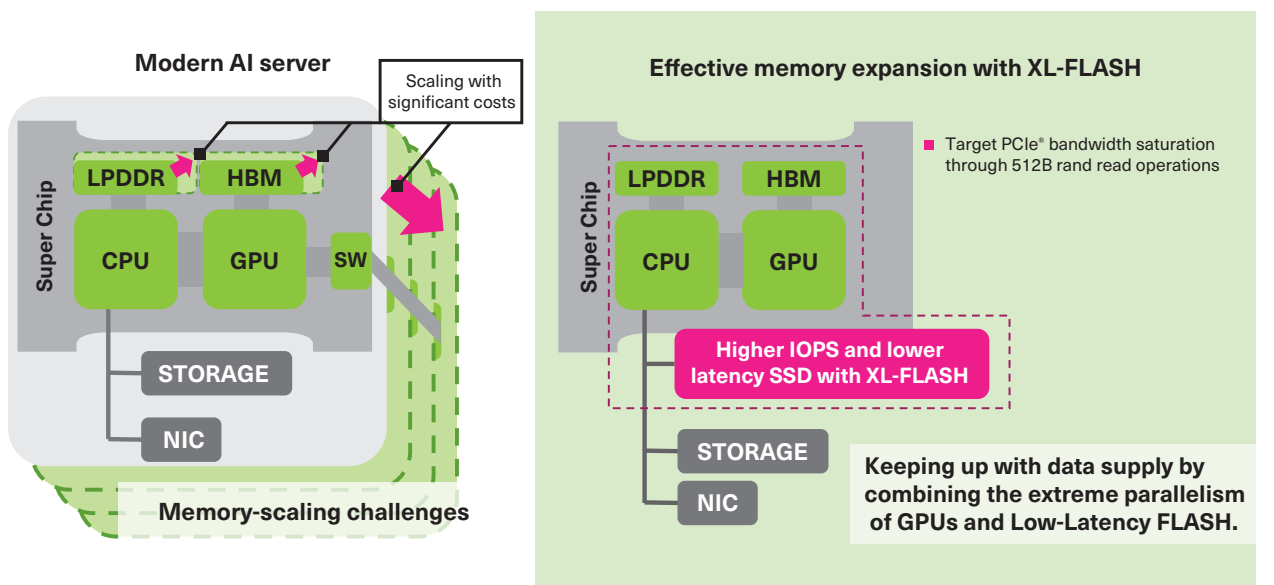
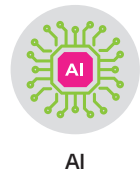
Many applications, including AI and database, increasingly demand more host memory. KIOXIA's XL-FLASH offers an innovative solution to meet these memory requirements.



### Effective Memory Expansion with XL-FLASH

AI deployed in servers face memory-scaling challenges. A data-intensive approach is needed to scale further, but it is constrained by slot limitations and/or high cost. Low-latency flash was designed to overcome these constraints. Small block reads can achieve very high IOPS utilizing powerful GPUs, and enables scalable memory expansion with storage.

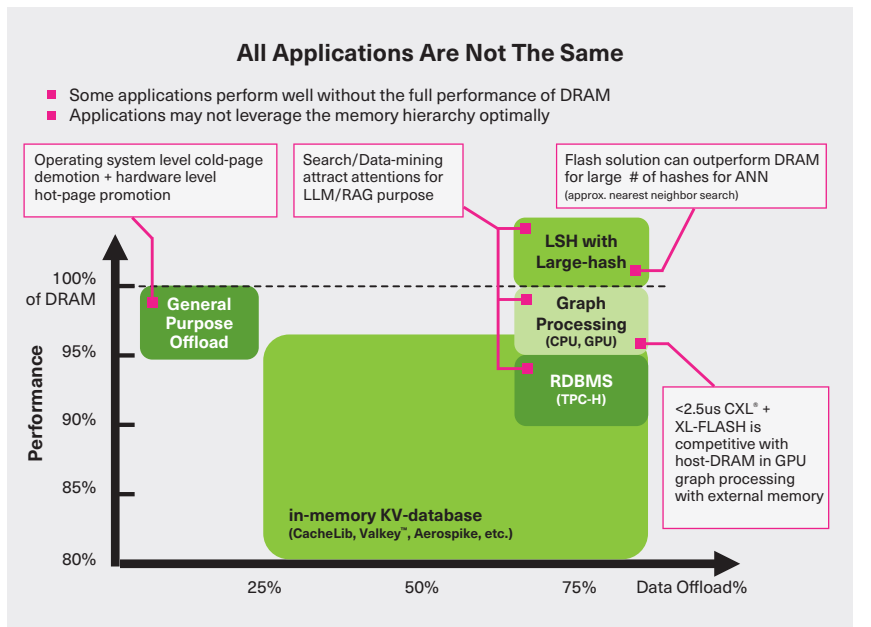
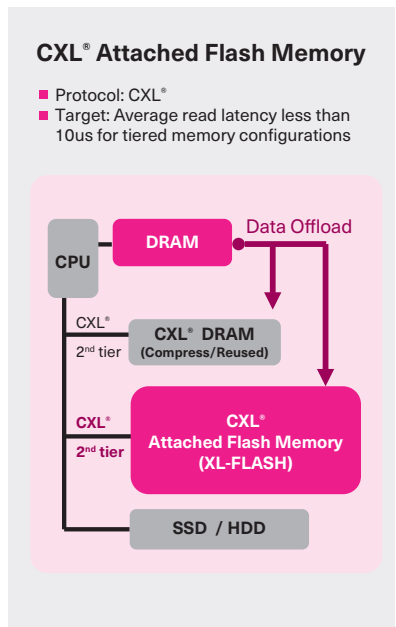
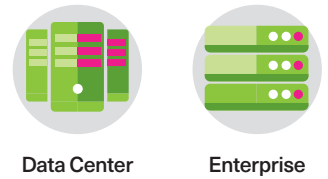
### Target Application



### Use Case for CXL Attached Memory Expansion

Utilizing CXL technology enables memory expansion. In addition to capacity and bandwidth, cost is a key consideration. With CXL technology, it is now possible to expand host memory with flash memory, and the way to balance bit cost with memory scaling is an XL-FLASH with CXL solution.

### Target Application



# KIOXIA

KIOXIA delivers flash-based products for next-generation storage applications. Having invented NAND flash over 35 years ago, KIOXIA is now one of the world's largest flash memory suppliers – and continues to move the technology forward.

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