

BiCS8 NAND flash die

Western Digital innovation

For more than 50 years, Western Digital has empowered large-scale data management. From the first commercial SSD to the latest highest density NAND flash die, we revolutionize how businesses harness their data.

24% ↑

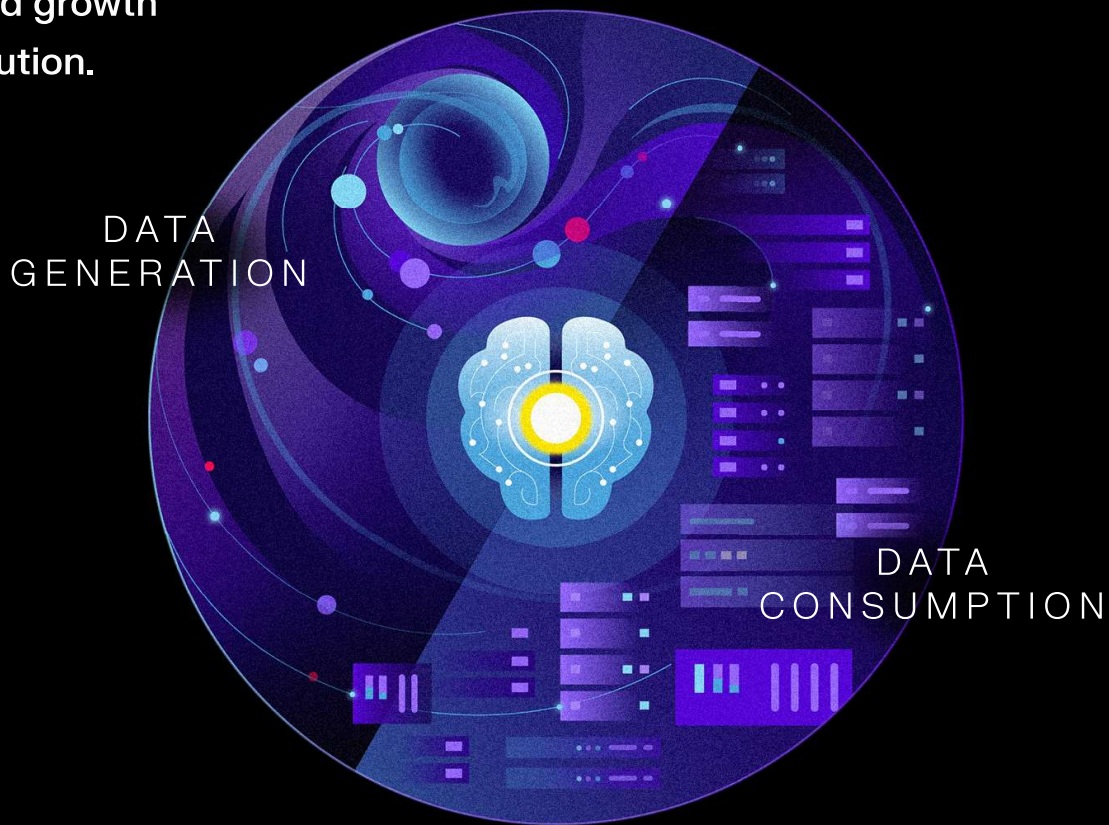
Storage Demands

Technology is evolving and growing more rapidly than ever, so are the demands for storing and accessing all the data that powers it. IDC expects an annual data growth rate of 24% resulting in an incredible 394ZB of data being generated in 2028.*

* SOURCE: IDC GLOBAL DATASPHERE FORECAST, 2024-2028, MAY 2024, US52076424

Empowering AI - Enterprise SSDs

Enterprise SSDs are at the heart of the Data Center, supporting both high-performance, low latency compute and high-capacity storage needs, helping maximize the business value of your data while reducing total cost of ownership. Robust and highly optimized storage solutions are essential for AI's continued growth and evolution.

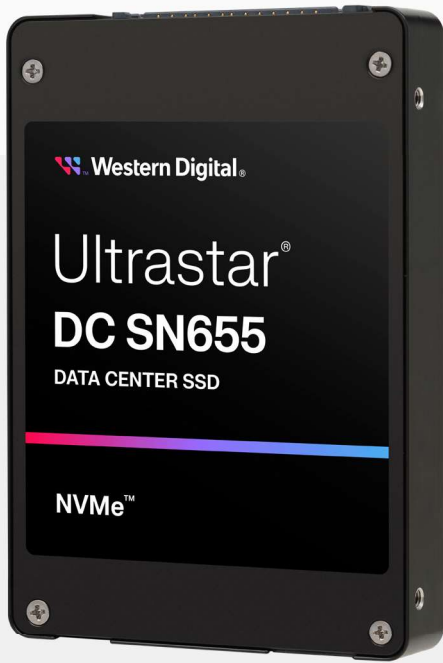


As AI systems process and analyze existing data, they create a self-perpetuating cycle of increased data generation. This leads to further data analysis, fueling even more data generation. Compute class storage can keep high value AI processors at maximum occupancy, while Storage class SSDs cater to large frequently-accessed data sets.

Storage focused Enterprise SSDs

Large AI dataset preparation relies on Storage Class enterprise SSDs to deliver the ideal balance of capacity and performance – expediting data preparation times and enhancing the scalability of AI training.

The Ultrastar DC SN655 features high capacity and balanced performance to address the demands of constantly growing datasets, with optimized total cost of ownership, and a robust architecture that ensures effortless scalability.



Ultrastar DC SN655 Data Center SSD

Applications/Environments

- Cloud datacenters
- Scale-out or Software Defined Solutions
- Big Data
- NoSQL or Distributed databases
- AI/ML Deep Learning
- Data Archiving

Features



PCIe Gen 4.0 x 4 (Dual Port)



Power Loss Protection, End-to-End data Path Protection, Variable Sector Sizes, NVMe-MITM 1.1b



U.3: 3.84, 7.68, 15.36, 30.72, 61.44TB (1 DWPD)²



The ideal solution for scaling capacity and maximizing GB/watt



Random Read/Write: Up to 1,100 KIOPS³
Random Mixed Read: Up to 312 KIOPS
Sequential Write: Up to 3,700 MB/s



SE/ISE/TCG OPAL