

# Micron DDR5 DRAM fuels performance

Unleashing the memory bandwidth to turn massive data sets into insights

## ● RAS

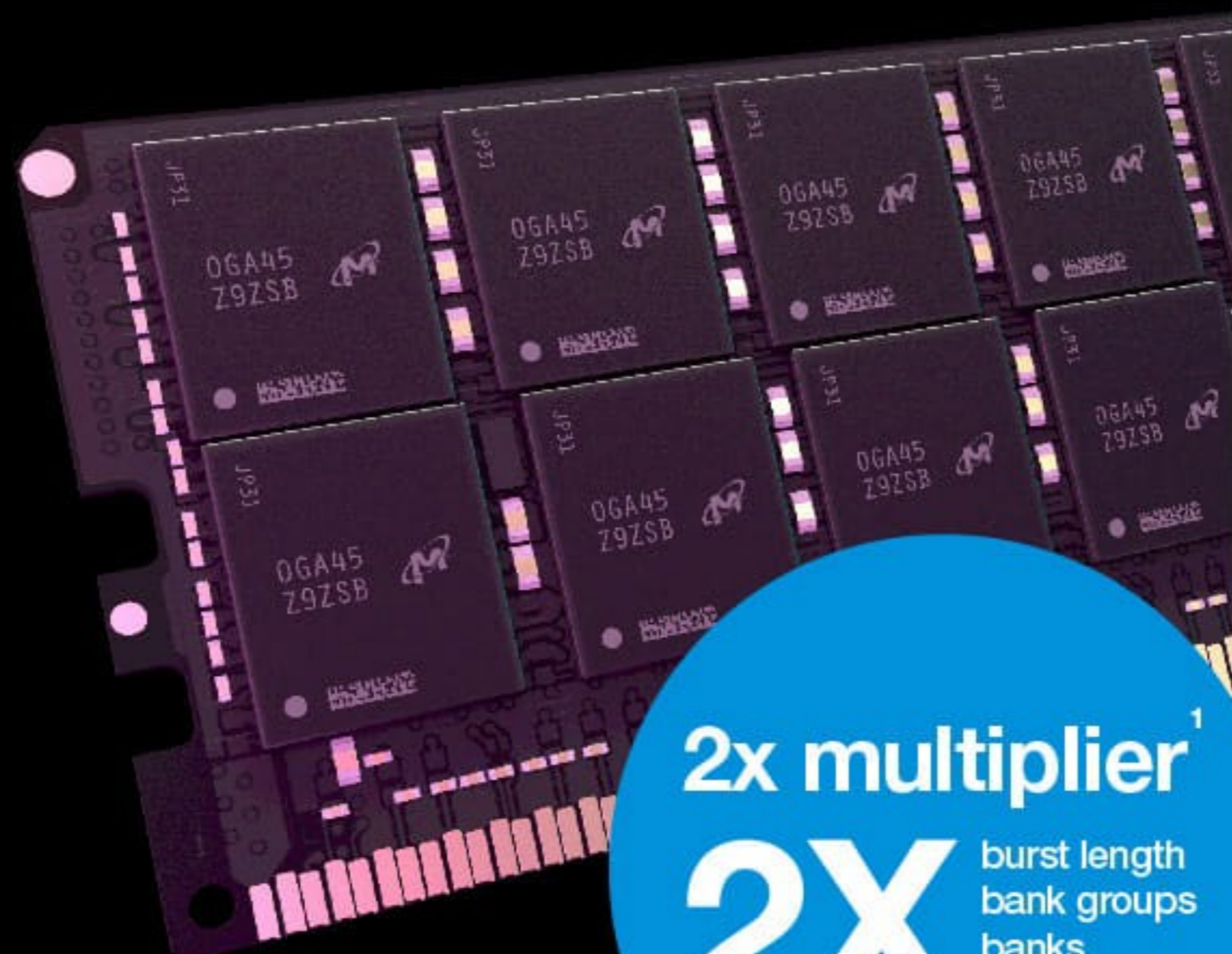
On-die error correction code (ODECC)

## ● DFE

Decision feedback equalization for signal integrity at higher data rates

## ● Capacity

96GB RDIMM



2x multiplier<sup>1</sup>

**2X** burst length  
bank groups  
banks  
bandwidth\*

\* 2x or higher

Footnote: <sup>1</sup> Feature and benchmark test comparison of DDR5 vs DDR4.

<sup>2</sup> Based on defined JEDEC specification.

<sup>3</sup> Results based on HPC workload benchmarks for OpenFOAM, Cloverleaf, CP2K, WRF, POT3D.

Improving overall performance<sup>1</sup>



Database tables  
SAP SD 43% ↑



High-performance computing  
Multiple workloads<sup>3</sup>  
>200% ↑



Business analytics  
SPECjbb<sup>®</sup> 48% ↑

DDR5 MEMORY BENEFITS

Higher bus efficiency

**Greater than 36%**<sup>1</sup>

Increased performance

**More than 2x**<sup>1</sup>

Faster transfer speed

**Up to 8800 MT/s**<sup>2</sup>

