



Big capacity. Bigger value.

The massive capacities and purpose-built performance of Micron® 6500 ION NVMe™ SSDs make cloud storage challenges look small.

Building the perfect cloud architecture or content delivery network can sometimes turn into a balancing act between sacrificing cloud storage performance for capacity, or paying for speeds and endurance that will never be used. Now the high-capacity, 30.72TB¹ Micron 6500 ION NVMe SSD can successfully meet these challenges.

Its bigger value means you're getting TLC performance at QLC price points.

A giant leap forward

The Micron 6500 ION leaps ahead of the competition to offer a 30.72TB¹ capacity, which maximizes server density while maintaining excellent PCIe® Gen4 performance.

The Micron 6500 ION delivers:



6.8GB/s

sequential reads and
1 million read IOPS



54%

better read quality-of-service
than the QLC competition²

Up to



25x

faster random write IOPS
than the QLC competition²

Makes sustainability possible

Combined with an industry-leading density of 30.72TB¹ in a 2.5-inch U.2/U.3 form factor, The Micron 6500 ION provides you with a solution that reduces the number of racks needed, drastically lowering infrastructure costs, which is a significant cornerstone of long-term sustainability.

The Micron 6500 ION can help achieve:

Up to

20%

lower active
power²

Up to

10x

more random
write endurance
than the QLC
competition²

Up to

56%

better power
efficiency²

Purpose-built portfolio

The IT world is full of industry leaders, but how do they compare to Micron? We were the first to introduce 232-Layer NAND³ to our comprehensive, purpose-built storage solutions portfolio – the very NAND inside our high-capacity Micron 6500 ION SSD. That's a lot of layers of storage, which means TLC performance at QLC price points.

Micron is the first to offer high-capacity NVMe storage – and a purpose-built storage portfolio – that stacks up against competitors.

Learn more at microncpg.com/6500

Footnotes:

1. 30.72TB capacity is the largest option. User capacity: 1GB = 1 billion bytes; formatted capacity is less

2. All comparisons to public datasheet values for 30.72TB Solidigm® D5-P5316 QLC SSD as of March 2023

3. Additional information available here: www.micron.com/232

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