

Micron 6500 Ion Data Center SSD

Micron Technology, Inc.

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Improving climate change and AI starts in an unexpected place: on the servers that store AI's massive data lakes. By delivering increased performance while consuming 20% less power than other value-oriented 30TB drives on the market, the Micron 6500 ION Data Center SSD solves the world's hidden power problem: scaling AI in the data center.

The average data lake that fuels AI is typically 30-100 terabytes in size, which must be fed to/from different components within a server to train the dataset. Until the Micron 6500 ION Data Center SSD arrived, all competing 30TB QLC (quad-level cell) solid-state drives designed for GPU feeding consumed more power and delivered slower performance.



"Making AI more sustainable."

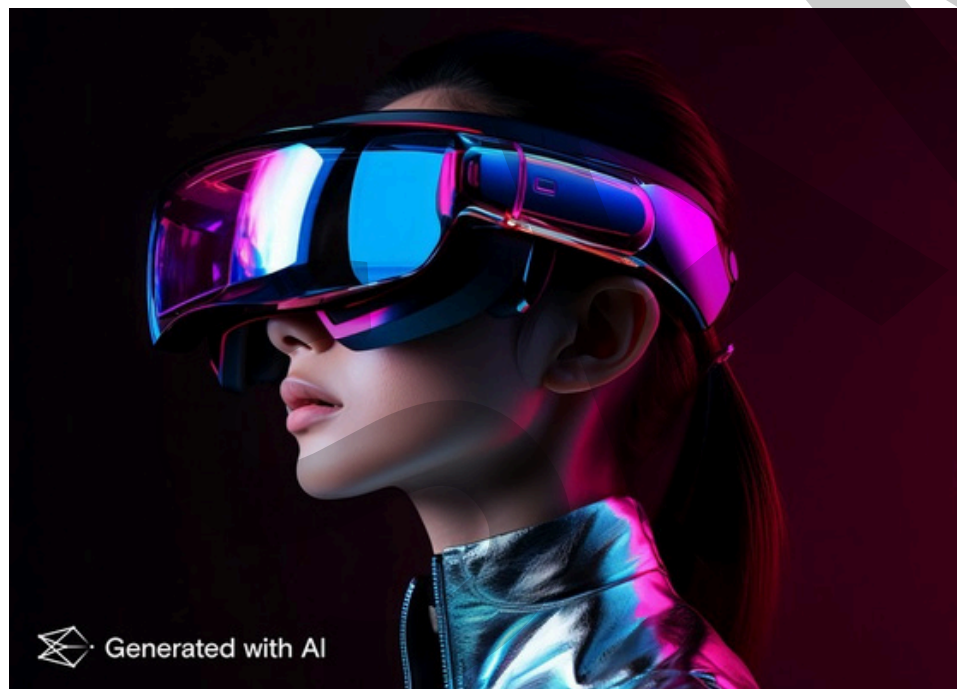


The world's top data centers have now adopted the Micron 6500 ION Data Center SSD because it uses 20% less power (20W vs 25W) to outperform all other 30TB QLC SSDs by at least 25% in key AI storage metrics.

In the typical full-scale data center with 100,000 servers and 12 drives per server, saving 5W per drive means saving up to 6,000 Kilowatt hours, or the equivalent of 1.1 million mature trees reducing carbon emissions, making the Micron 6500 ION Data Center SSD the leading new data center technology to combat global climate change while scaling AI capabilities.

Highlights

- Best-in-class performance: the Micron 6500 ION Data Center SSD offers up to 25% faster AI storage speeds in key spec parameters versus previous competing products; thus, moving high volumes of data faster within a server to enable faster training cycle completion times.
- Best-in-class sustainability: uses 20% less power to outperform competing 30TB QLC SSDs (20W vs 25W) and uses 50% less power to deliver comparable performance to competing products for data center exibility (12W vs 25W).
- Better value than previous 30TB QLC SSDs: world-leading storage cell technology that enables more performance per Watt for leading energy ef ciency.



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