

Western Digital's World's First 14TB Enterprise Hard Disk Drives Provide Cloud and Hyperscale Data Centers Big Data Capacity

Second Generation SMR Technology Coupled with HelioSeal® Technology Deliver Breakthrough Capacity for Sequential Write Workloads

SAN JOSE, Calif.--(BUSINESS WIRE)-- Western Digital Corp. (NASDAQ: WDC), a global data storage technology and solutions leader, today announced that it is providing cloud and hyperscale data centers the capacity required by big data applications with the world's first 14TB enterprise-class hard drive featuring host-managed shingled magnetic recording (SMR) technology. Western Digital's HGST-branded Ultrastar® Hs14 delivers 40 percent more capacity and more than twice the sequential write performance of its SMR predecessor, enabling more economical and efficient capture of the growing volume and variety of data.

This press release features multimedia. View the full release here:
<http://www.businesswire.com/news/home/20171003005604/en/>



The future is built on the insights and predictive power of big data. As data grows exponentially, storing it all in an affordable and accessible manner is an ongoing challenge for enterprise and cloud service data center operators. With a focus on total cost of ownership (TCO), the factors of capacity per rack, power consumption, cooling, maintenance, and acquisition cost are all paramount. To combat the big data challenge, Ultrastar Hs14 drives deliver unprecedented capacity leadership and online watt/TB power efficiency for extremely low TCO by harnessing two core complementary technologies - fourth generation HelioSeal® technology, and second generation host-managed SMR - along with enterprise-class reliability. These mature, field-proven technologies provide the foundation for delivering efficient, quality and reliable performance required by cloud and hyperscale environments, perfect for ultra-dense scale-out storage systems running sequential write workloads. By utilizing SMR technology, Ultrastar Hs14

World's First 14TB Enterprise-class Hard Drive (Photo: Business Wire)

HDDs offer a 16 percent increase in capacity¹ while keeping highly predictable, highly reliable performance.

"Over 70 percent of the exabytes Western Digital ships into the capacity enterprise segment are on helium-based high-capacity drives and continue to support customers with outstanding reliability, performance and value Quality of Service (QoS)," said Mark Grace, senior vice president of devices at Western Digital. "The TCO and reliability benefits of our HelioSeal platform are the foundation of our leadership in high-capacity enterprise storage."

Ultrastar Hs14 14TB Enterprise Drive Features and Specifications:

HelioSeal Technology: Western Digital's fourth-generation helium filled drive technology brings the highest capacity hard drive to market much sooner than competing offerings.

Host-managed SMR Technology: Second-generation enterprise storage deployment of host-managed SMR delivers 14TB with no compromise of performance predictability and consistency. Host-managed SMR hard drives are designed specifically for sequential write environments, and will not work as drop-in replacements for traditional capacity enterprise drives.

Reliability: Amongst the industry's highest MTBF rating at 2.5M hours.

Availability

The Ultrastar Hs14 enterprise hard drive is currently sampling to select OEMs and comes with a 5-year limited warranty. For more information on the Ultrastar Hs14 14TB enterprise drive, visit: <http://www.hgst.com/products/hard-drives/ultrastar-hs14>.

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Forward-looking Statement

This news release includes forward-looking statements, including the expected availability and performance of the Ultrastar Hs14 and its features and benefits to customers. There are a number of risks and uncertainties that may cause these forward-looking statements to be inaccurate including, among others: the Hs14 may not be available when we expect; volatility in global economic conditions; business conditions and growth in the storage ecosystem; impact of competitive products and pricing; market acceptance and cost of commodity materials and specialized product components; actions by competitors; unexpected advances in competing technologies; our development and introduction of products based on new technologies and expansion into new data storage markets; risks associated with acquisitions, mergers and joint ventures; difficulties or delays in manufacturing; and other risks and uncertainties listed the company's filings with the Securities and Exchange commission (the "SEC"), including our most recently filed periodic report to which your attention is directed. We do not intend to update the information contained in this release.

About Western Digital

Western Digital is an industry-leading provider of storage technologies and solutions that enable people to create, leverage, experience and preserve data. The company addresses ever-changing market needs by providing a full portfolio of compelling, high-quality storage solutions with customer-focused innovation, high efficiency, flexibility and speed. Our products are marketed under the HGST, SanDisk and WD brands to OEMs, distributors, resellers, cloud infrastructure providers and consumers. Financial and investor information is available on the company's Investor Relations website at investor.wdc.com.

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¹ Compared to 12TB drives using Perpendicular Magnetic Recording (PMR) technology

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